## GX-Force Program Unit/Interface Design Document

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Approval	Review	Preparation
Name:	Name:	Name:
Engineering Div.2	Engineering Div.2	Engineering Div.2
Mutou	Hirao	Ikarashi
Date	Date	Date
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FUNCTION	SUBJECT	DESCRIPTION	INPUT	PROCESS	OUTPUT
req[1-1-1-1]	10 msec interrupt processing for gas operation	Perform 10 msec interrupt processing for gas	None	Invokes intermittent process of flammable sensor for 10 msec.	None
<u> </u>	All gas concentration calculation	operation Perform all gas concentration calculation processing	Device status information	Call 10 msec interruption processing of oxygen sensor.      If the parameter range and the main battery are not abnormal, execute the following.	None
	processing			processing 2 to 6.  2. If the flammable sensor is valid, the flammable gas concentration calculation process	
				is called. 3. Call concentration calculation processing.	
req[1-1-1-2]				Call concentration calculation processing for display.     During measurement, during DISP mode, during gas test, determine which	
				alarm event.  6. During the measurement, if it is in the DISP mode, the average value of	
				the peak value, the STEL value, and the TWA value is updated.	
	Concentration calculation	Perform concentration calculation	Type of gas measured by the sensor	If there is an abnormality in the flammable sensor, turn off the power.      If the O2 sensor is valid, the oxygen gas concentration calculation process is called.	None
				<ol><li>If the flammable sensor is valid, the flammable gas concentration calculation process is called.</li></ol>	
req[1-1-1-3]				<ol><li>If the toxicity sensor 1 is valid, the hydrogen sulfide gas calculation processing is called according to the type of the measurement gas.</li></ol>	
				If the toxicity sensor 2 is valid, the hydrogen compensation carbon monoxide concentration calculation processing and the carbon monoxide concentration .	
				calculation processing are called according to the type of the measurement gas.	
req[1-1-1-4]	10 msec interrupt of flammable sensor	Perform 10 msec interrupt of flammable sensor	Warm air time count	When the warm up time count is 0 or more, the warm up time count is subtracted.	Warm air time count
	Calculation of flammable gas concentration	Select the mode of flammable gas calculation	Flammable sensor ON/OFF setting Flammable sensor error flag	<ol> <li>When the oxygen sensor is active and the concentration is 20.0% or more, if the current mode is over mode, cancel over mode.</li> </ol>	Flammable mode flag
			Flammable mode flag Flammable sensor A/D update counter	<ol><li>If the combustible sensor output is updated and is not in the over mode, the following processes 2 to 12 are executed.</li></ol>	
			The latest Flammable sensor output Flammable sensor output one time ago	Calculate the sensor output difference between the previous and current times.     When the combustible warm up counter is not 0, set the warm up mode. 0,	
			Flammable warm up counter Flammable differential mode return counter	execute the following processing 5 to 11.  5. In the case where the transition mode is the display mode or less and the flammable	
			Oxygen sensor ON/OFF setting Oxygen sensor error flag	difference mode return counter is 4 or more, the following processing is performed.  If not applicable, set to output mode and transition to "12" processing.	
			Oxygen sensor concentration	<ol><li>If the sensor output is greater than or equal to the differential mode transition</li></ol>	
			AIR calibration flag	threshold, execute the following processing 7 to 14. If it is less than, to implement the processing of "10".	
req[1-1-1-5]				<ol><li>When the sensor output is equal to or larger than the over mode transition threshold, the following processes 8 to 14 are executed. If it is less than,</li></ol>	
req[1-1-1-5]				to implement the processing of the "9".  8. When the oxygen sensor is effective and the concentration is 20. 0% or more, set to	
				the output mode and shift to "11" processing. If it does not apply, set to over mode and transition to processing of "11".	
				9. Set to the output mode and execute the process of "11".  10. When zero tracking setting is ON Set to differential mode. Set to output mode.	
				when OFF.  11. In the case of the differential mode, the processing in the difference mode is	
				performed and the following processing is performed.	
				12. In the transition from "11" to the warm up mode or the output mode, the output mode processing is executed and the following processings 13 to 14 are executed.	
				13. If 13 is true, the oxygen sensor is valid and 20. 0%/measurement mode or display mode is not satisfied or when the inflammable concentration over flag is applied	
				during OFF/AIR calibration, the processing in the function is terminated.  14. In the case of the over mode, perform flammability protection processing.	
	Flammable output mode calculation	Calculate the sensor output for calculating the	Flammable temperature compensation coefficient	Place the zero point temperature compensation coefficient on the current sensor	Flammable differential mode return counter
req[1-1-1-6]		flammable output mode	Flammable sensor output	output.  2. The zero point is negative from the output obtained by "1" to calculate the span output.  3. When the span output is less than or could to the difference threshold value.	
			Flammable AIR calibration output Flammable differential mode return counter	<ol><li>When the span output is less than or equal to the difference threshold value, the differential mode return counter is reset. When it exceeds the difference threshold, the difference model of the properties of the properties of the properties.</li></ol>	
		Calculate the concentration of Flammable gas	Suppress ON/OFF setting	the difference mode return counter is incremented up to the counter upper limit.  1. When suppress mode is ON and the transition mode is less than display mode,	Concentration of Flammable sensor
	processing		Full scale value 1 digit value	set the value of zero suppress with a value of 2 to 5% of full scale. If it does not apply 0 for the zero suppression value.	Flammable sensor over flag Flammable sensor negative flag
			Mode transition state Zero point temperature compensation value	Calculate temperature compensation coefficient of zero point and span.     Perform processing from 4 to 6 on both A element B element.	Flammable sensor over-negative flag
			Span temperature compensation value The latest flammable sensor output	<ol> <li>Temperature compensation is applied to the current sensor output as the output</li> </ol>	
			Presence or absence of solvent of calibration	of the zero point of the reference temperature.  5. In comparison with the AIR calibration value, in the following cases, the negative	
			gas type Fix number	flag is turned off to calculate the span output. When it exceeds, the negative flag is turned on and the span output is calculated with the absolute value.	
			Replacement coefficient 100% for calculation LEL = ppm value	<ol><li>Multiply span output by temperature compensation coefficient and compensate for temperature compensation coefficient of reference temperature.</li></ol>	
			100% for display LEL = ppm value	<ol><li>When the calibration gas is a solvent gas, calculate using the span output of the A element. If it is not solvent gas, use the one with the larger span output.</li></ol>	
				Consider fix value.     If the transition mode is less than or equal to the display mode, multiply the span	
				coefficient by the read replacement coefficient. If it exceeds the display mode, multiply by the rewriting coefficient of the calibration gas.	
				<ol> <li>Calculate the current percentage of 0 - FS = 0 - 100% with span output ÷ span</li> </ol>	
req[1-1-1-7]				coefficient (after replacement coefficient added).  11. When the transition mode is below display mode, calibration curve processing for	
				replacement. When the display mode is exceeded, calibration curve processing for calibration gas.	
				<ol> <li>When the transition mode is less than display mode, convert to ppm using calculation LEL value for replacement. When it exceeds the display mode,</li> </ol>	
				convert it to ppm using calculation LEL value for calibration gas.  13. When the transition mode is less than the display mode, convert to LEL using the	
				display LEL value for replacement. When it exceeds the display mode, convert it to LEL using the display LEL value for calibration gas.	
				14. If the calculated concentration exceeds 120% of the full scale, it is fixed to 120%.  15. Zero sub process.	
				16. Digit rounding processing.	
				17. When the concentration is positive, compare the concentration value with the full scale value and set the over flag, then turn off the negative over flag.	
				18. When the concentration is negative, the over flag is turned off, the concentration is compared with -10% of FS, and the negative over flag is calculated. If the negative	
				over flag is ON and the long energy mode is ON, the negative over flag and the negative flag are turned off and the concentration is doubled.	
				When the negative flag is ON, change the concentration to 10% plus 1 digit of full scale.	
	Acquisition of combustible sensor	Acquire combustible sensor warm-up flag	None	In the warm-up mode, turn on the flammable sensor warming up flag.	Warming up flag
	warm-up flag			Return flammable sensor warming up flag.	
req[1-1-1-8]					
	Settings during combustible warm-up	Set combustible warm-up settings	ON/OFF setting flag	Substitute the ON/OFF setting flag for the flammable sensor warming up flag.	Flammable sensor warming up flag
req[1-1-1-9]					
	NC span point temperature	Perform NC span point temperature compensation	Temperature value	Calculate span point temperature compensation coefficient from current temperature	Temperature compensation factor
req[1-1-2-1]	compensation coefficient calculation	Perform NC span point temperature compensation coefficient calculation processing	remperature varde	<ol> <li>Calculate span point temperature compensation coefficient from current temperature (quadratic equation).</li> </ol>	remperature compensation ractor
	processing NC zero point temperature	Perform NC zero point temperature compensation	Temperature value	Calculate the difference between the reference temperature and the current	Temperature compensation factor
req[1-1-2-2]	compensation coefficient calculation processing	coefficient calculation processing		temperature.  2. From the temperature difference, calculate the zero point temperature compensation	
	NC100ms value temperature	Perform NC100ms value temperature compensation	Temperature value	coefficient.  1. Calculate NC100ms temperature compensation coefficient from current temperature	Temperature compensation coefficient
req[1-1-2-3]	compensation coefficient calculation	coefficient calculation processing	romperature value	<ol> <li>Calculate NC100ms temperature compensation coefficient from current temperature (quadratic equation).</li> </ol>	- simperature compensation coefficient
	processing				
sould 4.0 ···	Absolute humidity calculation	Perform absolute humidity calculation	NC sensor 100ms A/D value	Add the temperature compensation coefficient to the NC100ms value.     Calculate absolute humidity from NC100ms value (quadratic equation).	Absolute humidity
req[1-1-3-1]				<ol> <li>If the current temperature is less than the reference temperature or the temperature at zero adjustment is less than the reference temperature, set the absolute humidity to 0.</li> </ol>	
req[1-1-3-2]	NC zero point humidity compensation	Perform NC zero point humidity compensation	Absolute humidity	<ol> <li>Calculate NC zero point humidity compensation coefficient from current absolute</li> </ol>	NC zero point humidity compensation
req[1-1-3-3]	NC span humidity compensation	Perform NC span humidity compensation coefficient	Absolute humidity	humiditv  1. Calculate NC span humidity compensation coefficient from current absolute humidity	NC span humidity compensation coefficient
	Calculation of display concentration	Calculation processing Calculate display concentration	Sensor status information	(linear equation).  1. In the case of a sensor abnormality, turn off the display density minus flag,	Display concentration negative flag
			Real concentration negative flag Actual concentration FS over flag	the display density over flag, the display density minus over flag and set the display density value to 0. If it is not abnormal, execute the following processes 2 to 7.	Display concentration FS over flag Display concentration negative over flag
			Real concentration negative over flag Current actual concentration value	<ol><li>When the real concentration negative flag is ON, the display concentration over flag is turned off.</li></ol>	Present display concentration value
				When the real concentration negative over flag is ON, turn on the display concentration negative over flag and the display concentration negative flag and set	
				the display concentration value to -10% -1 digit of F. S.  4. When the real concentration negative over flag is OFF, the display concentration	
req[1-1-4-1]				negative over flag is turned off and the display concentration negative flag is turned on.	
				The display concentration value is set to the same value as the actual concentration value.	
				<ol><li>When the real concentration negative flag is OFF, the display concentration negative flag is turned off, the display concentration negative over flag is turned off.</li></ol>	
				When the actual concentration over flag is ON, the display concentration over flag is turned on and the display concentration value is made FS + 1 digit.	
				When the actual concentration over flag is OFF, the display concentration over flag is turned off and the display concentration value is set to the same value as the actual	
				concentration value.	

req[1-1-6-1]	Count of energization time of NC sensor element	(10 msec reading) of the energizing time of the NC sensor element	Element energization flag of NC sensor Long energy setting Flammable sensor protection flag	If the energization time count is not 0, the energization time count is counted down. When the energization time count is 0, the following processes 1 to 8 are executed. Sets the energization time count according to the element energization flag of the NC sensor and resets the element energization flag. When the element energization flag is 1000 mass for 8 element, the energization time count is changed according to ON/OFF of long energy setting. When the element energization flag is OFF and the long energy setting is OFF, the energization time count is rounded off to the standard OFF time. When the flammable sensor protection flag is ON, the energization time count is set to 0 and the element energization flag is turned off. When the flammable sensor protection flag is ON, the energization time count is set to 0 and the element energization flag is turned off. On and the element energization flag is turned off. On the element energization flag is turned off.	Element energization flag of NC sensor
req[1-1-6-2]	Flammability protection setting call Read the energization flag of	Perform setting of flammable protection setting Read the energization flag of the NC sensor	None None	Return flammable sensor protection flag.      Return the element energization flag of the NC sensor.	Flammable sensor protection flag  Element energization flag of NC sensor
req[1-1-6-3] req[1-1-6-4]	the NC sensor Flammability protection setting	Perform flammable protection settings	ON/OFF setting flag	Substitute the ON/OFF setting flag for the flammable sensor protection flag.	Flammable sensor protection flag
req[1-1-6-5]	Setting the Flammable Protection Allowed Flag	Setting the Flammable Protection Allowed Flag	ON/OFF setting flag	Substitute the ON/OFF setting flag for the flammable protection allowed flag.	Flammable protection allowed flag
req[1-1-7-1]	NC sensor element port operation NC sensor high concentration contact	Perform NC sensor element port operation  Perform NC sensor high concentration contact flag	Element specification value Element energization flag	Perform port setting according to element specification value.     The flag is turned ON when all the following conditions are met.	None Flammable protection sub flag
req[1-1-7-2]	flag setting	setting		(1) Element energization flag is 1, 2, 4 or 5 (2) NC voltage difference is outside the threshold range (3) The combustible main flag is OFF, the warm-up main flag is OFF, and the NC protection_permission flag is ON	
req[1-1-7-3]	Acquisition of AIR delay count when flammable sensor protection is OFF	Acquire the AIR delay count when flammable sensor protection is OFF	None	Return warming time count.	Warm air time count
req[1-1-7-4]	Acquire flammable sensor protection flag	Acquire flammable sensor protection flag	Flammable sensor mode	In the over mode, turn on the flammable sensor protection flag.     Return flammable sensor protection flag.	Flammable sensor protection flag
req[1-1-7-5]	Flammable sensor protection flag setting	Perform flammable sensor protection flag setting	Flammable sensor mode Type of gas measured by the sensor Sensor status information Actual concentration value Real concentration negative flag	1. In the case of the over mode, execute the following processing 2 to 4.     2. In the case of Alf calibration, the warm up count is set to 15 sec and the sensor mode is set to the warm up mode.     3. The warm up count is set to 15 sec and the sensor mode is set to the warm up mode.     4. If there is no oxygen sensor, set warm up count to 15 sec and set sensor mode to	Warm air time count Flammable sensor mode
req[1-1-7-6]	Flammable protection mode processing	Perform flammable protection mode processing	Full scale value Gas Digit	warm air mode *.  1. Set the warm up time count to 0.  2. Set the actual concentration over flag to ON  3. Actual concentration negative flag and real concentration negative over flag are turned off.  4. Set the actual concentration to FS + 1 digit.	Warm air time count Real concentration over flag Real concentration negative flag Real concentration negative over flag Actual concentration
req[1-2-1-1]	EC sensor concentration calculation	Perform EC sensor concentration calculation	EC senor A/O value Zero coefficient Temperature value Temperature value Temperature value Span fix de l'acceptance Span f	1. Obtain suppression value. 2. Add the AID value to the integrated output value for 1 minute. 3. If the AID value is less than the zero coefficient, turn on the minus flag. 4. Apply the zero coefficient to the AID value. 5. Perform temperature compensation for AID value. 6. Calculate the full scale value concentration ratio from the AID value and perform calibration crure processing. 7. Calculate actual concentration value from concentration ratio and full scale value. 8. Perform zero suppression processing and digit rounding on actual concentration values. 9. When the actual concentration is above the full scale, turn on the over flag. 10. When the actual concentration is 120% or more of the full scale, whate is rounded to 120% of the full scale.	minute output integrated value     Real concentration negative flag     Zeer tracking prohibition flag value     Actual concentration FS over flag     Real concentration FS over flag     Real concentration negative over flag
rea[1-2-1-2]	Sensor A/D value acquisition	Perform sensor A/D value acquisition processing	Gas channel	concentration is higher than 10% of the full scale, the minus over flag is turned on.  1. Return the A/D value corresponding to the gas channel.	A/D value
req[1-2-1-3]	processing Span A/D calculation processing	Perform span A/D calculation processing	Gas number Gas channel EC sensor A/D value Sensor output direction Zero coefficient	2. If the channel is H2S, return the A/D value according to the gas number. <ol> <li>The following processes 2 to 4 are carried out according to the sensor output direction.</li> <li>Apply the zero coefficient to the sensor A/D value.</li> <li>When the sensor A/D value is in the plus direction, turn off the real concentration minus flag.</li> <li>When the sensor A/D value is in the minus direction, turn on the real concentration minus flag.</li> </ol>	Span A/D value Real concentration negative flag Zero tracking prohibition flag
req[1-2-1-4]	Calculate concentration of hydrogen cancellation carbon monoxide	Parform hydrogen cancellation carbon monoxide concentration calculation	Suppress ONOFF flag CO ensors AID value Zero coefficient Temperature value Span coefficient Full scale value Gas Digit	1. Suppress setting is ON, when not in maintenance mode, zero suppression value is set.  2. Add the AID value to the integrated cutput value for 1 minute.  3. Apply a zero coefficient to the AID value.  4. Apply temperature compensation to span coefficient.  5. Calculate the full scale value concentration ratio from the AID value and apply calibration cruve processing.  6. Regularity check of the span coefficient matrix is carried out, and if it is regular, the following processes 8 to 11 are carried out.  7. Obtain the span coefficient inverse matrix and find the actual concentration from	1 minute output integrated value Real concentration negative flag Zero tracking prohibition flag Current actual concentration value Actual concentration FS over flag Real concentration negative over flag
	Inverse matrix calculation processing	Perform inverse matrix calculation processing	2 * 2 matrix	the A/D value and the inverse matrix.  8. Perform zero suppression processing and digit rounding on actual concentration values.  9. When the actual concentration is above the full scale, turn on the over flag.  10. When the actual concentration is 120% or more of the full scale, the value is rounded.  10. When the minus flags is ON, the core flag is turned off, and when the actual concentration is higher than 10% of the full scale, the minus over flag is turned on.  5. Seporates an intentity matrix.	Inverse matrix
req[1-2-1-5]	Confirming whether inverse matrix	Confirm whether inverse matrix exists	2 * 2 matrix	Find inverse matrix by sweeping method.      Generate a three-dimensional matrix from a matrix.	Determinant
req[1-2-1-6]	exists  Interference elimination sensor	Performs interference elimination sensor calculation	CO concentration after hydrogen	2. Calculate the product of diagonal parts. 3. If a determinant exists, calculate the determinant. 4. Return determinant. 1. Perform bubble sort on CO concentration.	Corrected concentration
req[1-2-1-7]	internetine entire during the confection value correction processing	value correction processing	CO concentration and hydrogen compensation WE 1 CO concentration WE 2 CO concentration	Petion thouse soft on the Occasionation and the largest, the second largest concentration is returned.  When the concentration after hydrogen compensation is the largest, the second largest concentration is returned.  When the concentration after hydrogen compensation is the smallest, it returns the second smallest concentration.  Otherwise, return the concentration after hydrogen compensation.	Corrected concentration
	Oxygen gas concentration calculation	Perform oxygen gas concentration calculation processing	O2 sensor A/D value Zero coefficient Temperature data at zero point calibration Temperature value Span coefficient Span fix Calibration curve Y data Calibration curve X data	1. When not in maintenance mode, set zero suppression value. 2. Add the ADV value to the integrated output value for 1 minute. 3. If the ADV value is less than or equal to the span coefficient, turn off the negative flag and turn on the zero tracking protribition flag. 4. When the ADV value is above the span coefficient, turn on the negative flag. 5. Apply span coefficient to ADV value. 6. Apply temperature compensation to ADV value. 7. Apply the zero coefficient to the Span coefficient.	1 minute output integrated value Real concentration negative flag Zero tracking prohibition flag Current actual concentration value Actual concentration FS over flag Real concentration negative over flag
req[1-2-1-8]			Calibration curve number Full scale value Gas Digit	Calculate the output per 1% from the span coefficient.     Perform califoration curve processing to AID value and the output per 1%.     Calculate the actual concentration value from the AID value and the output per 1%.     Perform action suppression processing and digit rounding on actual concentration values.     When the actual concentration is above the full scale, turn on the over flag.     When actual concentration is 12% or more of full scale, value is rounded to 120% of full scale.     When the negative flag is ON, the over flag is turned off, and if the actual concentration	
req[1-2-2-1]	Span temperature compensation coefficient calculation processing	Perform span temperature compensation coefficient calculation processing	Gas channel Calibration curve number	is higher than 10% of the full scale, the negative over flag is turned on.  1. From the temperature compensation coefficient table corresponding to the gas channel and the calibration curve number, the compensation value at the current temperature	Span temperature compensation coefficient
req[1-2-2-1]	Zero temperature compensation coefficient calculation processing	Perform zero temperature compensation coefficient calculation processing	Temperature value Gas channel Calibration curve number	is calculated.  1. From the temperature compensation coefficient table corresponding to the gas channel and the calibration curve number, the compensation value at the current temperature	Zero temperature compensation coefficient
req[1-2-2-3]	Calculation of sensitivity ratio (temperature compensation coefficient) of current temperature (span temperature compensation coefficient)	Calculation of the sensitivity ratio (temperature compensation coefficient) of the current temperature (span temperature compensation coefficient) is performed	temperature Temperature	is calculated.  1. Calculate the temperature compensation coefficient from temperature.  2. Return temperature compensation coefficient.	Temperature compensation factor
req[1-2-2-4]	Interference elimination sensor zero point temperature correction processing	Perform interference elimination sensor zero point temperature correction processing	Sensor output Thermistor ambient temperature	If the ambient temperature of the thermistor is out of the range of the table, truncate the value.     Calculate the tremediate value of the table and calculate the temperature characteristic compensation value.     Correct the temperature at the zero point of each sensor output.	Zero point temperature compensation value
req[1-2-2-5]	Span temperature compensation	Perform span temperature compensation coefficient	Temperature	Calculate the temperature compensation value at the zero point.     From temperature, calculate the temperature compensation coefficient (purplets) agranting.	Temperature compensation factor
	coefficient calculation processing  10 msec interrupt for oxygen calculation processing	calculation processing  Perform 10 msec interrupt processing for oxygen calculation processing	Maximum value of peak for rapid change processing Minimum value of peak for rapid change processing	(quadratic equation).  1. When the following conditions 2 to 5 are satisfied, the rush change process is stopped.  2. Hasty change processing is being executed.  3. Rapid change process initial court is 1.  The AID value of the EC sensor is greater than or equal to the peak MIN value for rapid.	Rapid change processing in progress flag Initial count of rush response change processing Late-second count of rush change processing
req[1-2-5-1]			The A/D value of the EC sensorRapid change processing in progress flag Initial count of rush response change processing Late-second count of rush change processing	processing.  5. I am detecting the bottom.  6. When the rapid change process is being executed, the following processes 7 to 8 are executed.  7. Forcibly stop the urgent change	
	Sudden pressure change detection	Perform sudden pressure change detection	Flag on which upper or lower haste change  Current concentration	Update peak value.      When the current concentration is negative, the current concentration is multiplied by -1.	Detection result
req[1-2-5-2]	processing  Forced stop processing for sudden pressure change	processing  Perform forced stop processing for sudden pressure change	Minus sign  Maximum value of peak for rapid change processing	2. If the previous concentration is 20, 9% or higher and the current concentration is lower than 20, 9%, the result is down detected.  3. In cases other than initials, measurement, display mode, make the result undetected.  1. In the case where the following conditions 2 to 4 are satisfied, the rapid change processing is stopped.	None
req[1-2-5-3]	,		Minimum value of peak for rapid change processing The A/D value of the EC sensor Rapid change processing in progress flag Flag on which upper or lower haste change detected	Immediate change processing is in the latter term.     Immediate the processing is in the latter term.     It is beyond the peak for rapid change in the full scale direction.	

	Suddon processes shares	Porforme pook unit a malata association for	Panid change presseries in viscosity	1 When the following conditions 2 to 2 are estimated the continuous of the second	None
	Sudden pressure change processing peak value update processing	Performs peak value update processing for sudden pressure change	Rapid change processing in progress flag Maximum value of peak for rapid change processing	When the following conditions 2 to 3 are satisfied, the peak value of the rapid change is updated with the current value.     Hasty change flag is initial execution.	None
req[1-2-5-4]				Hasty change hag is initial execution.     When the rampant change peak value is larger than the current A/D value.	
	0.11		The A/D value of the EC sensor		D
	Sudden pressure change start processing	Performs sudden pressure change start processing	detected	In the case of downward detection, the initial count of rush change processing is set to 0. 8 sec.	Downward pressure quick change Initial execution time
req[1-2-5-5]			The A/D value of the EC sensor	In the case of the upper detection, the initial count of the rapid change processing is set to 3. 0 sec.     Set the testing a size of such above a recessing to 5. 0 sec.	Upper pressure change initial execution time Maximum value of peak for rapid change
				Set the latter period count of rush change processing to 5. 0 sec.     Set the executing process of the urgent change processing to the initial execution.     Update rapidly changing PEAK with current value.	processing Minimum value of peak for rapid change processing
					Rapid change processing in progress flag
req[1-2-5-6]	Sudden pressure change stop processing	Performs sudden pressure change stop processing	None	Initialize the initial count of rush change processing.     Initialize the late count of rush change processing.	Hasty change initial execution time Hasty change initial execution time
	Calibration curve processing of	Perform calibration curve processing of gas	Calibration curve Y data pointer	Make the rush change processing in progress flag unexecuted.      If the output ratio exceeds 100%, return the output ratio as it is.	Rapid change processing in progress flag 0 to 100% output ratio
req[1-3-1-1]	gas concentration	concentration	Calibration curve X data pointer 0 to 100% output ratio	<ol><li>From the output ratio and the calibration curve Y data, a corresponding portion of the calibration curve is searched.</li></ol>	
log[1011]				<ol><li>Calculate the slope between the points of the calibration curve from the corresponding calibration curve Y data, X data, and correct the output ratio.</li></ol>	
	Interference elimination sensor	Perform interference elimination sensor calibration	Sensor output channel	Return the corrected output ratio.     From the gas display value, search the calibration curve table for the corresponding	Calibration curve correction value
req[1-3-1-2]	calibration curve processing	curve processing	Gas display value (% F. S. )	portion.  2. Calculate the intermediate value of the table and calculate the calibration curve correction	
	NC sensor calibration curve processing	Perform NC sensor calibration curve processing	Calibration curve number	value.  1. Based on the pre-correction change rate, the corresponding calibration curve data	Corrected change rate
req[1-3-1-3]			Calibration curve Y data Change rate before correction	is searched.  2. Calculate the post-correction change rate from the calibration curve data.	·
	Inverse calibration curve processing of gas concentration	Perform inverse calibration curve processing of gas concentration	Calibration curve Y data pointer Calibration curve X data pointer	If the output ratio exceeds 100% or is lower than 0%, it returns the output ratio as it is.     From the output ratio and the calibration curve X data, a corresponding part of	0 to 100% output ratio
req[1-3-2-1]			0 to 100% output ratio	the calibration curve is searched.  3. Calculate the slope between the points of the calibration curve from the corresponding	
				calibration curve Y data, X data, and correct the output ratio.  4. Return the corrected output ratio.	
req[1-3-2-2]	NC sensor calibration curve reverse processing	Perform NC sensor calibration curve reverse lookup processing	Calibration curve number Calibration curve Y data	Search the corresponding calibration curve data from the uncorrected concentration.     Calculate post-correction concentration from calibration curve data.	Corrected concentration
roq[: 0 Z Z]	Flammable difference mode	Calculate flammable difference mode	Pre-correction concentration Temperature value	1. Set the address to NC	Zero coefficient
	calculation	Calculate flammable difference mode	A/D value of NC sensor	Calculate the difference between the current temperature and the temperature	Zero coemcient
req[1-4-1-1]			Zero coefficient	at zero calibration.  3. If the temperature difference is negative, convert the temperature difference to	
				absolute value. 4. Calculate the NC zero point temperature compensation coefficient.	
	EC tracking processing	Perform zero tracking processing of the EC sensor	Gas channel Concentration before zero tracking	When the mode is not measurement mode and display mode, zero tracking ON/OFF setting of zero tracking turn off the flag.	30 seconds cumulative concentration for averaging calculation for 30 seconds for
			Negative flag before zero tracking ON/OFF setting flag of zero tracking	<ol><li>When the mode is the measurement mode or the display mode and the tracking function is ON, the following processes 3 to 10 are executed.</li></ol>	trackingConcentration data for zero tracking deend
			Offset concentration for zero tracking	Increment counters for 30 seconds.     Consider ± of concentration value.	
req[1-4-1-2]			30 seconds count timer for tracking Gas setting	S. Calculate the current display value.     Shift the zero tracking deend concentration.	
			Alarm point setting lower limit value	7. Calculate the average value over 30 seconds.  8. Substitute the average value for the zero tracking deend concentration.	
				S. Substitute the average value for the zero tracking deem concentration.     Calculate the average difference every 30 seconds.     The offset value is divided from the true concentration to calculate the display value.	
	EC tracking reset processing	Reset the zero tracking of the EC sensor	Cumulative concentration for calculation of	Reset the average calculation counter.	Cumulative concentration for calculation of
req[1-4-1-3]			average value for 30 seconds for zero tracking 30 seconds count timer for zero tracking	Reset the count timer for 30 seconds for zero tracking.     Reset offset offset for zero tracking.     Hattatise reconstruction data fear a tracking and a second sec	average value for 30 seconds for zero tracking
			Offset concentration for zero tracking	Initialize concentration data for zero tracking deend.	30 seconds count timer for zero tracking Offset concentration for zero tracking
req[1-4-1-4]	Zero tracking execution flag	Perform zero tracking execution flag acquisition	Gas channel	The zero tracking execution flag of each gas channel is acquired.	Concentration data for zero tracking deend Zero tracking execution flag
	acquisition  Positive side zero tracking slope	processing on plus side  Perform positive side zero tracking slope confirmation	Gas number Gas channel	Return zero tracking execution flag.     The positive side zero tracking slope confirmation density of each gas channel is	Positive side zero tracking slope confirmation
req[1-4-1-5]	confirmation density acquisition	density acquisition	Gas number	acquired.	density
req[1-5-1-1]	Suppress value acquisition processing	Perform suppression value acquisition processing	Gas channel Gas number ON/OFF setting flag	Suppress setting is on, not in maintenance mode, acquire zero suppression value for each channel.     Returns the acquired suppress value .	Suppress value
			Zero sub count value for 2 ch		
req[1-5-1-2]	Export Control Concentration Acquisition Processing	Perform export control concentration acquisition processing	Gas channel Gas number	Acquire export control concentration for each channel.     Returns the acquired export control concentration.	Export control concentration
	Update PEAK value of flammable sensor to current value	Update PEAK value of flammable sensor to the current value	Fault status Gas concentration	When the sensor is normal, the following processes 2 to 6 are carried out.     Update minimum value.	Minimum gas concentration Maximum gas concentration
req[1-6-1-1]			Minus flag	Acquire the current concentration value.     Get the current flag.	Minus flag
				Get the current time.     Update maximum value.	
	Update PEAK value to current value	Update PEAK value to current value	Fault status Gas concentration	When the sensor is normal, the following processes 2 to 6 are carried out.     Update minimum value.	Minimum gas concentration Maximum gas concentration
req[1-6-1-2]			Minus flag	Acquire infantive value.     Acquire the current concentration value.     Get the current flag.	Minus flag
				Get the current time.     Uodate maximum value.	
	PEAK value update processing	Perform PEAK value update processing	Peak update prohibition flag	When the peak update prohibition flag is ON and the sensor is normal,	Minimum gas concentration
			Fault status Minus flag	the following processes 2 to 6 are executed.  2. Update minimum value.	Maximum gas concentration Minus flag
req[1-6-1-3]				Acquire the current concentration value.     Get the current flag.	
				Get the current time.     Update maximum value.	
	PEAK value display processing	Perform PEAK value display processing	Gas setting	1. When the following conditions 2 to 5 are satisfied, set the PEAK value to	
1		I .	Fault status	the minimum value and set the minus flag of the minimum value.	None
			Minus flag Gas concentration	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.	None
			Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.	None
Irea[1-7-1-41			Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to	None
req[1-7-1-1]			Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.	None
req[1-7-1-1]			Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. HZ Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. HZ Cancel is not CO.  9. The sensor is normal.	None
req[1-7-1-1]			Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. HZ Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. HZ Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.	None
			Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. HZ Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. HZ Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.	
req[1-7-1-1]	Peak clear	Perform peak clear	Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  1. Set the time buffer.  2. Check operating system events.	None
	PEAK clear HOLD display processing	Perform PEAK clear HOLD display processing	Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  1. Set the time buffer.  2. Check operating system events.  1. Create character data corresponding to PEAK clear HOLD.	
req[1-8-1-1]			Minus flag Gas concentration Full scale value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  1. Set the time buffer.  2. Check operating system events.	None
req[1-8-1-1] req[1-8-1-2]	PEAK clear HOLD display processing  PEAK clear RELEASE display processing  Average value STEL value TWA	Perform PEAK clear HOLD display processing PerformPEAK clear RELEASE display processing Perform average value STEL value TWA value	Minus flag Gas concentration Full scale value  None None	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  1. Set the time buffer.  2. Check operating system events.  1. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear RELEASE.  1. It it is not an invalid concentration, the following processes 2 to 12 are carried out.	None None None 1 minute integrated value
req[1-8-1-1] req[1-8-1-2]	PEAK clear HOLD display processing PEAK clear RELEASE display processing	Perform PEAK clear HOLD display processing  PerformPEAK clear RELEASE display processing	Minus flag Gas concentration Full scale value  None None Present display concentration value Real concentration negative flag Present display concentration value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. H2 Cancel is no CO.  8. H2 Cancel is no CO.  8. H2 Cancel is no CO.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  15. Set the time buffer.  16. Create character data corresponding to PEAK clear HOLD.  17. Create character data corresponding to PEAK clear HOLD.  18. Create character data corresponding to PEAK clear RELEASE.  19. If it is not an invalid concentration, the following processes 2 to 12 are carried out.  20. When the average update prohibition flag is OFF and the minus flag OFF.	None None None 1 minute integrated value 2zero tracking prohibition flag 1 minute Sample count
req[1-8-1-1] req[1-8-1-2]	PEAK clear HOLD display processing  PEAK clear RELEASE display processing  Average value STEL value TWA	Perform PEAK clear HOLD display processing PerformPEAK clear RELEASE display processing Perform average value STEL value TWA value	Minus flag Gas concentration Full scale value  None  None  Present display concentration value Real concentration regular Fundament of the concentration value 1 minute timer count Average processing times since startup	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  7. Setting is ON.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  15. Set the time buffer.  16. Create character data corresponding to PEAK clear HOLD.  17. Create character data corresponding to PEAK clear HOLD.  18. Create character data corresponding to PEAK clear RELEASE.  19. If it is not an invalid concentration, the following processes 2 to 12 are certied out.  20. When the average update prohibition flag is OFF and the minus flag OFF; the display concentration is added to the integration value for firmiture.  3. When the average update prohibition flag is ON, the zero tracking prohibition flag is set to ON.	None None 1 minute integrated value 2 are tracking prohibition flag 1 minute single count Average processing times since startup 1 minute Sample count 1 minute average integrated value
req[1-8-1-1] req[1-8-1-2] req[1-8-1-3]	PEAK clear HOLD display processing  PEAK clear RELEASE display processing  Average value STEL value TWA	Perform PEAK clear HOLD display processing PerformPEAK clear RELEASE display processing Perform average value STEL value TWA value	Minus flag Gas concentration Full scale value  None None Present display concentration value Real concentration negative flag Real concentration or specific production of the concentration or specific production or specific produ	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. H2 Cancel is no CO.  8. H2 Cancel is no CO.  8. H2 Cancel is no CO.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  15. Set the time buffer.  16. Create character data corresponding to PEAK clear HOLD.  17. Create character data corresponding to PEAK clear HOLD.  18. Create character data corresponding to PEAK clear RELEASE.  19. If it is not an invalid concentration, the following processes 2 to 12 are carried out.  29. When the average update prohibition flag is OFF and the minus flag OFF; the display concentration is added to the integration value for finitude.  30. When the average update prohibition flag is ON, the zero tracking prohibition flag is set to ON.  4. 1 Add the number of samples.	None None None I minute integrated value Zero tracking prohibition flag I minute Sample count Average processing times since startup
req[1-8-1-1] req[1-8-1-2]	PEAK clear HOLD display processing  PEAK clear RELEASE display processing  Average value STEL value TWA	Perform PEAK clear HOLD display processing PerformPEAK clear RELEASE display processing Perform average value STEL value TWA value	Minus flag Gas concentration Full scale value  None None None None None None Present display concentration value Real concentration regative flag Present display concentration value T minute time count of the concentration value T minute time count of the concentration value T minute ample count of the concentration value of the concentration value of the concentration value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. HZ Cancel is not CO.  4. The serace is normal.  5. The serace is normal.  5. The serace is normal.  5. The serace is normal.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. HZ Cancel is not CO.  9. The serace is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Check coperating system events.  1. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear HOLD.  1. It is not an invalid concentration, the following processes 2 to 12 are carried out.  2. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  3. When the average update prohibition flag is OFF and the minus flag OFF. In the display concentration is added to the integration value for 1 minute.  5. In minutes If the timer count is 1 minute, carry out the following.  6. Add the average processing times from startup.  7. Calculate the time grapted value for 1 minute and the average value for 1 minute from	None None 1 minute integrated value 2 are tracking prohibition flag 1 minute single count Average processing times since startup 1 minute Sample count 1 minute average integrated value
req[1-8-1-1] req[1-8-1-2] req[1-8-1-3]	PEAK clear HOLD display processing  PEAK clear RELEASE display processing  Average value STEL value TWA	Perform PEAK clear HOLD display processing PerformPEAK clear RELEASE display processing Perform average value STEL value TWA value	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration regative flag Present display concentration value Real concentration on pegative flag Present display concentration value I minute timer concentration value Average processing times since startup Zeor tota-king ONOFF flag I minute average integrated value I minute average integrated value Average update prohibition flag	the minimum value and set the minus flag of the minimum value.  2 setting is ON.  3. HZ Cancel is not CO.  4. The senarc is normal.  5. It is oxygen.  5. It is oxygen.  5. It is oxygen.  6. It is oxygen.  8. It is oxygen.  8. It is oxygen.  9. It is oxygen.  19. It is oxygen.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  19. Set the time buffer.  2. Check operating system events.  10. Create character data corresponding to PEAK clear HOLD.  11. It is not an invalid concentration, the following processes 2 to 12 are carried out.  11. When the evenage update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  11. It is not an invalid concentration is added to the integration value for 1 minute.  11. It is the time to count is 1 minute. Carry out the following.  11. Add the number of samples.  11. It minutes If the timer count is 1 minute carry out the following.  12. Calculate the tenergraded value for 1 minute and the average value for 1 minute from the minute and the average value for 1 minute from the counter of the severage value for 1 minute to the average integrated value.	None None 1 minute integrated value 2 are tracking prohibition flag 1 minute single count Average processing times since startup 1 minute Sample count 1 minute average integrated value
req[1-8-1-1] req[1-8-1-2] req[1-8-1-3]	PEAK clear HOLD display processing  PEAK clear RELEASE display processing  Average value STEL value TWA	Perform PEAK clear HOLD display processing PerformPEAK clear RELEASE display processing Perform average value STEL value TWA value	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration regative flag Present display concentration value Real concentration on pegative flag Present display concentration value I minute timer concentration value Average processing times since startup Zeor tota-king ONOFF flag I minute average integrated value I minute average integrated value Average update prohibition flag	the minimum value and set the minus flag of the minimum value.  2 setting is ON.  3. HZ Cancel is not CO.  4. The senect is roomal.  5. It is oxygen.  5. It is oxygen.  6. It is oxygen.  6. It is oxygen.  8. It is oxygen.  8. It is oxygen.  9. It is oxygen.  10. It is oxygen.  10. It is oxygen.  10. It is oxygen.  10. It is oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. The oxygen oxyge	None None 1 minute integrated value 2 are tracking prohibition flag 1 minute single count Average processing times since startup 1 minute Sample count 1 minute average integrated value
req[1-8-1-1] req[1-8-1-2] req[1-8-1-3]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing	Perform PEAK clear HOLD display processing  Perform PEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration regative flag Present display concentration value Real concentration on regative flag Present display concentration value Average processing times since startup Zaro tracking ONOFF flag 1 minute integrated value 1 minute integrated value Average update prohibition flag Average update prohibition flag	the minimum value and set the minus flag of the minimum value.  2 setting is ON.  3. HZ Cancel is not CO.  4. The senace is not CO.  5. It is copyan.  5. It is copyan.  5. It is copyan.  5. It is copyan.  6. It is copyan.  6. It is copyan.  7. Setting is ON.  8. HZ Cancel is not CO.  9. The senace is normal.  10. Not copyan.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear RELEASE.  1. If it is not an invalid concentration, the following processes 2 to 12 are carried out.  2. When the sewage update prohibition flag is CPF. are the minus flag OFF; the display concentration is added to the integration value for 1 minute.  3. When the sewage update prohibition flag is CN, the zero tracking prohibition flag is set to CN.  1. Add the number of samples.  5. 1 minutes If the timer count is 1 minute, carry out the following.  6. Add the average processing times from startup.  7. Calculate the triegrated value for 1 minute and the average value for 1 minute from the number of samples.  8. 1 Add the average valued promises from startup.  10. Calculate STEL value and TWA value.  11. Set the integrated value for 1 minute to the sucreage integrated value.  12. Calculater STEL value and TWA value.	None None None T minute integrated value Zero tracking prohibition flag Average processing times since startup 1 minute average integrated value Average value from startup
req[1-8-1-1] req[1-8-1-2] req[1-8-1-3]	PEAK clear HOLD display processing  PEAK clear RELEASE display processing  Average value STEL value TWA	Perform PEAK clear HOLD display processing PerformPEAK clear RELEASE display processing Perform average value STEL value TWA value	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration negative flag Real concentration registre flag Real concentration resident value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute sample count 1 minute average integrated value Average update prohibition flag  Gas channel	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. Create character data corresponding to PEAK clear RELEASE.  16. It it is not an invalid concentration, the following processes 2 to 12 are carried out.  17. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  18. When the average update prohibition flag is ON, the zero tracking prohibition flag is set to ON.  19. The sensor is minuted to the average value for 1 minute from Calculates the integrated value for 1 minute and the average value for 1 minute from startup.  19. Calculates the wareage value for 1 minute to the average integrated value.  19. Calculates the average value from the start from the average value for 1 minute to the start mort he average integrated value.  19. Calculates TeLE value and TVA value.  11. Set the integrated value by minute.  11. Set the integrated value for 1 minute to the servage integrated value.	None None 1 minute integrated value 2 are tracking prohibition flag 1 minute single count Average processing times since startup 1 minute Sample count 1 minute average integrated value
req[1-8-1-1] req[1-8-1-2] req[1-8-1-3]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing  60 minute integration buffer shift	Perform PEAK clear HOLD display processing  Perform PEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration negative flag Real concentration registre flag Real concentration resident value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute sample count 1 minute average integrated value Average update prohibition flag  Gas channel	the minimum value and set the minus flag of the minimum value.  2 setting is ON.  3. HZ Cancel is not CO.  4. The senace is not CO.  5. It is copyan.  5. It is copyan.  5. It is copyan.  5. It is copyan.  6. It is copyan.  6. It is copyan.  7. Setting is ON.  8. HZ Cancel is not CO.  9. The senace is normal.  10. Not copyan.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear HOLD.  1. Create character data corresponding to PEAK clear RELEASE.  1. If it is not an invalid concentration, the following processes 2 to 12 are carried out.  2. When the sewage update prohibition flag is CPF. are the minus flag OFF; the display concentration is added to the integration value for 1 minute.  3. When the sewage update prohibition flag is CN, the zero tracking prohibition flag is set to CN.  1. Add the number of samples.  5. 1 minutes If the timer count is 1 minute, carry out the following.  6. Add the average processing times from startup.  7. Calculate the triegrated value for 1 minute and the average value for 1 minute from the number of samples.  8. 1 Add the average valued promises from startup.  10. Calculate STEL value and TWA value.  11. Set the integrated value for 1 minute to the sucreage integrated value.  12. Calculater STEL value and TWA value.	None None None T minute integrated value Zero tracking prohibition flag Average processing times since startup 1 minute average integrated value Average value from startup
req[1-8-1-1] req[1-8-1-2] req[1-8-1-3]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing  60 minute integration buffer shift	Perform PEAK clear HOLD display processing  Perform PEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration negative flag Real concentration registre flag Real concentration resident value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute sample count 1 minute average integrated value Average update prohibition flag  Gas channel	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. Create character data corresponding to PEAK clear RELEASE.  16. It it is not an invalid concentration, the following processes 2 to 12 are carried out.  17. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  18. When the average update prohibition flag is ON, the zero tracking prohibition flag is set to ON.  19. The sensor is minuted to the average value for 1 minute from Calculates the integrated value for 1 minute and the average value for 1 minute from startup.  19. Calculates the wareage value for 1 minute to the average integrated value.  19. Calculates the average value from the start from the average value for 1 minute to the start mort he average integrated value.  19. Calculates TeLE value and TVA value.  11. Set the integrated value by minute.  11. Set the integrated value for 1 minute to the servage integrated value.	None None None T minute integrated value Zero tracking prohibition flag Average processing times since startup 1 minute average integrated value Average value from startup
rec[1-8-1-1] rec[1-8-1-2] rec[1-8-1-3]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing  60 minute integration buffer shift	Perform PEAK clear HOLD display processing  Perform PEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration negative flag Real concentration registre flag Real concentration resident value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute sample count 1 minute average integrated value Average update prohibition flag  Gas channel	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. Create character data corresponding to PEAK clear RELEASE.  16. It it is not an invalid concentration, the following processes 2 to 12 are carried out.  17. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  18. When the average update prohibition flag is ON, the zero tracking prohibition flag is set to ON.  19. The sensor is minuted to the average value for 1 minute from Calculates the integrated value for 1 minute and the average value for 1 minute from startup.  19. Calculates the wareage value for 1 minute to the average integrated value.  19. Calculates the average value from the start from the average value for 1 minute to the start mort he average integrated value.  19. Calculates TeLE value and TVA value.  11. Set the integrated value by minute.  11. Set the integrated value for 1 minute to the servage integrated value.	None None None T minute integrated value Zero tracking prohibition flag Average processing times since startup 1 minute average integrated value Average value from startup
req[1-8-1-1] req[1-8-1-2] req[1-8-1-3]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing  60 minute integration buffer shift	Perform PEAK clear HOLD display processing  Perform PEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration negative flag Real concentration registre flag Real concentration resident value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute sample count 1 minute average integrated value Average update prohibition flag  Gas channel	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. Create character data corresponding to PEAK clear RELEASE.  16. It it is not an invalid concentration, the following processes 2 to 12 are carried out.  17. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  18. When the average update prohibition flag is ON, the zero tracking prohibition flag is set to ON.  19. The sensor is minuted to the average value for 1 minute from Calculates the integrated value for 1 minute and the average value for 1 minute from startup.  19. Calculates the wareage value for 1 minute to the average integrated value.  19. Calculates the average value from the start from the average value for 1 minute to the start mort he average integrated value.  19. Calculates TeLE value and TVA value.  11. Set the integrated value by minute.  11. Set the integrated value for 1 minute to the servage integrated value.	None None None T minute integrated value Zero tracking prohibition flag Average processing times since startup 1 minute average integrated value Average value from startup
rec[1-8-1-1] rec[1-8-1-2] rec[1-8-1-3]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing  60 minute integration buffer shift	Perform PEAK clear HOLD display processing  Perform PEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration negative flag Real concentration registre flag Real concentration resident value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute sample count 1 minute average integrated value Average update prohibition flag  Gas channel	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. Create character data corresponding to PEAK clear RELEASE.  16. It it is not an invalid concentration, the following processes 2 to 12 are carried out.  17. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  18. When the average update prohibition flag is ON, the zero tracking prohibition flag is set to ON.  19. The sensor is minuted to the average value for 1 minute from Calculates the integrated value for 1 minute and the average value for 1 minute from startup.  19. Calculates the wareage value for 1 minute to the average integrated value.  19. Calculates the average value from the start from the average value for 1 minute to the start mort he average integrated value.  19. Calculates TeLE value and TVA value.  11. Set the integrated value by minute.  11. Set the integrated value for 1 minute to the servage integrated value.	None None None T minute integrated value Zero tracking prohibition flag Average processing times since startup 1 minute average integrated value Average value from startup
rec[1-8-1-1] rec[1-8-1-2] rec[1-8-1-3]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing  60 minute integration buffer shift	Perform PEAK clear HOLD display processing  Perform PEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing	Minus flag Gas concentration Full scale value  None None None Present display concentration value Real concentration negative flag Real concentration registre flag Real concentration resident value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute sample count 1 minute average integrated value Average update prohibition flag  Gas channel	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  8. H2 Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. Create character data corresponding to PEAK clear RELEASE.  16. It it is not an invalid concentration, the following processes 2 to 12 are carried out.  17. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  18. When the average update prohibition flag is ON, the zero tracking prohibition flag is set to ON.  19. The sensor is minuted to the average value for 1 minute from Calculates the integrated value for 1 minute and the average value for 1 minute from startup.  19. Calculates the wareage value for 1 minute to the average integrated value.  19. Calculates the average value from the start from the average value for 1 minute to the start mort he average integrated value.  19. Calculates TeLE value and TVA value.  11. Set the integrated value by minute.  11. Set the integrated value for 1 minute to the servage integrated value.	None None None T minute integrated value Zero tracking prohibition flag Average processing times since startup 1 minute average integrated value Average value from startup
rec[1-8-1-1] rec[1-8-1-2] rec[1-8-1-3]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing 60 minute integration buffer shift processing	Perform PEAK clear HOLD display processing  PerformPEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing  Perform 60 minute integration buffer shift processing	Minus flag Gas concentration Full scale value  None  None  Present display concentration value Real concentration registre flag Present display concentration value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute simel count 2 minute simel count 3 minute simel count 1 minute si	the minimum value and set the minus flag of the minimum value.  2 Setting is ON.  3. HZ Cancel is not CO.  4. The sance is not CO.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to 6. When the following conditions 7 to 10 are satisfied, set the PEAK value to 7. Setting is ON.  8. Setting is ON.  8. HZ Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. Treate character data corresponding to PEAK clear RELEASE.  16. It it is not an invalid concentration, the following processes 2 to 12 are carried out.  17. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integrator value for immunity.  18. It is not an invalid concentration, the following processes 2 to 12 are carried out.  19. When the average update prohibition flag is OFF, the display concentration is added to the integrator value for immunities.  19. It is not an invalid concentration in add to the integrator value for immunities.  19. It is not on invalid concentration in add to the integrator value for immunities.  19. It is not one of the prohibition flag is oN, the zero tracking prohibition flag is a to ON.  19. Add the number of samples.  19. The prohibition flag is oN, the zero tracking prohibition flag is one of the integrated value for 1 minute from the number of samples.  19. Calculate the integrated value for 1 minute to the average integrated value.  19. Set the integrated value for 1 minute to the average integrated value.  19. Set the integrated value for 1 minute to the average integrated value.  20. Clear the latest 60 minute integration buffer by 8 bours.	None None None 1 minute integrated value 2 are tracking prohibition flag 1 1 minute simple count Average processing into since startup 1 are as each engaged value Average value from startup 60 minute integration buffer
rea[1-8-1-1] rea[1-8-1-2] rea[1-8-1-3] rea[1-8-1-1]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing  60 minute integration buffer shift	Perform PEAK clear HOLD display processing  Perform PEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing	Minus flag Gas concentration Full scale value  None  None  Present display concentration value Real concentration negative flag Present display concentration value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute samela prico count 1 minute samela ender value 1 minute average infects and value Average update prohibition flag  Gas channel  STEL value calculation buffer update location count	the minimum value and set the minus flag of the minimum value.  2 Setting is ON.  3. HZ Cancel is not CO.  4. The sance is not CO.  5. It is oxygen.  6. When the following conditions 7 to 10 are satisfied, set the PEAK value to 6. When the following conditions 7 to 10 are satisfied, set the PEAK value to 7. Setting is ON.  8. Setting is ON.  8. HZ Cancel is not CO.  9. The sensor is normal.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Create character data corresponding to PEAK clear HOLD.  15. Treate character data corresponding to PEAK clear HOLD.  16. Treate character data corresponding to PEAK clear RELEASE.  17. If it is not an invalid concentration, the following processes 2 to 12 are carried out.  18. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integrator value for imiture.  19. It is not an invalid concentration, the following processes 2 to 12 are carried out.  19. When the average update prohibition flag is OFF, the display concentration is added to the integrator value for imiture.  19. It is not an invalid concentration in a decide to the integrator value for invalidation flag is of N, the zero tracking prohibition flag is 10 N, the zero tracking p	None None None T minute integrated value Zero tracking prohibition flag Average processing times since startup 1 minute average integrated value Average value from startup
rea[1-8-1-1] rea[1-8-1-2] rea[1-8-1-3] rea[1-8-1-1]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing 60 minute integration buffer shift processing	Perform PEAK clear HOLD display processing  PerformPEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing  Perform 60 minute integration buffer shift processing	Minus flag Gas concentration Full scale value  None  None  Nene  Present display concentration value Real concentration regular Real concentration value 1 minute timer count Average processing times since startup Zero tracking ON/OFF flag 1 minute sample count 1 minute simer count 1 minute simer count 1 minute average integrated value Average update prohibition flag  Gas channel  STEL value calculation buffer update location count I minute integrated value	the minimum value and set the minus flag of the minimum value.  2. Setting is ON.  3. HZ Cancel is not CO.  4. The sensor is normal.  5. When the following conditions? 1 to 10 are satisfied, set the PEAK value to the maximum value and set the minus flag of the maximum value.  7. Setting is ON.  8. HZ Cancel is not CO.  9. The sensor is normal.  10. Not coygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  12. Create character data corresponding to PEAK clear HGLD.  1. Set the time buffer.  2. Check operating system events.  1. Create character data corresponding to PEAK clear HGLD.  1. It is in not an invalid concentration, the following processes 2 to 12 are carried out.  2. When the average update prohibition flag is OFF and the minus flag OFF, the display concentration is added to the integration value for 1 minute.  3. When the average update prohibition flag is OFF are zero tracking prohibition flag is 10. Flag and the minus flag OFF.  1. In distance the time count is 1 minute, carry out the following.  6. Add the average processing times from startup.  7. Calculate the time timer count is 1 minute, carry out the following.  8. Add the average processing dimes from startup.  7. Calculate the time timer down is 1 minute, carry out the following.  8. I Add the average value for 1 minute and the average integrated value.  9. Calculate the average value for 1 minute to the average integrated value.  11. Set the integrated value or 1 minute to the average processing count from startup and the average value for 1 minute store the average processing count from startup and the average value for 1 minute and the average processing count from startup and the average value for 1 minute of the average processing count from startup and the average value for 1 minute and the average integrated value.  11. Set the integrated value on the start from the average processing count from startup and the average value for 1 minute on the b	None  None  None  I minute integrated value  Zero tracking prohibition flag  1 minute Sample count  Average processing times since startup  1 minute average integrated value  Average value from startup  60 minute integration buffer
rec[1-8-1-1] rec[1-8-1-2] rec[1-8-1-3] rec[1-9-1-1]	PEAK clear HOLD display processing PEAK clear RELEASE display processing Average value STEL value TWA value update processing 60 minute integration buffer shift processing	Perform PEAK clear HOLD display processing  PerformPEAK clear RELEASE display processing  Perform average value STEL value TWA value update processing  Perform 60 minute integration buffer shift processing	Minus flag Gas concentration Full scale value  None None None None Present display concentration value Real concentration regative flag Present display concentration value Real concentration regative flag Present display concentration value T immunity of the concentration value Average concentration value 1 minute simple count 1 minute simple count 1 minute with present of the concentration value Average update prohibition flag  Gas channel  STEL value calculation buffer update location count STEL value calculation buffer update location count	the minimum value and set the minus flag of the minimum value.  2 Setting is ON.  3. HZ Cancel is not CO.  4. The senancis is normal.  5. It is oxygen.  5. It is oxygen.  5. It is oxygen.  6. It is oxygen.  8. It is oxygen.  9. It is oxygen.  9. It is oxygen.  9. It is oxygen.  10. Not oxygen.  11. Assign gas name / unit corresponding to display of PEAK value.  12. Create character atta corresponding to display of PEAK value.  12. Create character data corresponding to display of PEAK value.  13. Set the time buffer.  14. Set the time buffer.  15. Create character data corresponding to PEAK clear HOLD.  16. Treater character data corresponding to PEAK clear HOLD.  17. Creater character data corresponding to PEAK clear RELEASE.  18. If it is not an invalid concentration, the following processes 2 to 12 are carried out.  19. When the average update prohibition flag is GP. and the minus flag GPF; the display concentration is added to the integration value for 1 minute.  19. When the average update prohibition flag is GP. Add the average update prohibition flag is set to ON.  19. Add the average update prohibition flag is GP. Add the average update prohibition flag is GP.  19. Calculate the tritegrated value from the start from the average value for 1 minute from the average value for 1 minute to the average value for 1 minute from the average value for 1 minute to the average value.  19. Calculate the warege value from the start from the average value for 1 minute to 10.  19. Set the integrated value from the start from the average value for 1 minute to 10.  19. Set the integrated value from the start from the average value for 1 minute to 10.  19. Set the integrated value from the start from the average value for 1 minute to 10.  19. Shift the 60 minute integration buffer by 8 hours.  20. Clear the latest 60 minute integration buffer by 8 hours.  21. Clear the latest 60 minute integration buffer with zeros.	None  None  None  I minute integrated value  Zero tracking prohibition flag  1 minute Sample count  Average processing times since startup  1 minute average integrated value  Average value from startup  60 minute integration buffer

STEL value display processing  Perform STEL value display processing  Fault status  STEL starm port  STEL value  Full scale value  TWA calculation processing  Perform TWA calculation processing  TWA value display processing  TWA value display processing  TWA value display processing  Display TWA value display processing  TWA value display processing  Display TWA value display processing  TWA value display processing  TWA value display processing  TWA value display processing  Display TWA value display processing  TWA value display processing  Display TWA value display processing  TWA value display processing  Display TWA value display processing  TWA value  Fault status  TWA value  Full scale value  1. When the following conditions 2 to 6 are satisfied, STEL is display of STEL value  1. When the following conditions 2 to 6 are satisfied, TWA is display of STEL value  1. When the following conditions 2 to 6 are satisfied, TWA is display of STEL value  1. When the following conditions 2 to 6 are satisfied, TWA is display for the series in orth.  1. When the following conditions 2 to 6 are satisfied, STEL is display for STEL value  1. When the following conditions 2 to 6 are satisfied, STEL is display for STEL value  1. When the following conditions 2 to 6 are satisfied, TWA is display for STEL value  1. When the following conditions 2 to 6 are satisfied, TWA is display for STEL value  1. TWA satisfies for N.  1. When the following conditions 2 to 6 are satisfied, STEL is display for STEL value  1. TWA satisfies for N.  1. When the following conditions 2 to 6 are satisfied, TWA is display for STEL value  1. TWA satisfies for N.  1. TWA sa	olayed. ue.
STEL alarm point STEL value STEL	ue.
Full scale value  5. STEL date is a larger than full scale value.  6. STEL value is larger than full scale value.  7. When the following conditions 8 to 12 are satisfied, '' is disp. 8. Setting is ON.  9. Hz Cancel is not CO.  10. The sensor is normal.  11. STEL alarm is ON.  12. STEL value is not CO.  13. Assign gas name? unit corresponding to display of STEL value.  13. Assign gas name? unit corresponding to display of STEL value.  14. Create character data corresponding to display of STEL value.  15. Assign gas name? unit corresponding to display of STEL value.  16. SED (pit Gas Digit of the gas channel number.  17. WA value display processing  17. When the following conditions 2 to 6 are satisfied, TWA is display that status.  17. A alarm point  18. A later point  19. When the following conditions 2 to 6 are satisfied, TWA is display that status.  19. A later point  1	ue.
req[1-11-1-1]    Fig. 2	ue.
req[1-11-1-1]    Perform TWA calculation processing   Perform TWA calculation processing   1 minute average integrated value   13. Assaing man amen furnit corresponding to display of STEL value   14. Create character data corresponding to display of STEL value   15. The TWA value is calculated from the average integrated value   17. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA value is calculated from the average integrated value   18. The TWA val	ue.
10. The sensor is normal. 11. STE alarm is GN. 12. STEL value is smaller than full scale value. 13. Assign gas name funit corresponding to display of STEL value. 13. Assign gas name funit corresponding to display of STEL value. 14. Create character data corresponding to display of STEL value. 15. Assign gas name funit corresponding to display of STEL value. 16. Create character data corresponding to display of STEL value. 17. The TWA value is calculated from the average integrated value of the gas channel number. 18. The TWA value is calculated from the average integrated value of the gas channel number. 19. Sas sharinel number. 19. When the following conditions 2 to 6 are satisfied, TWA is display to the gas channel number. 19. Setting is ON. 19. Alarm point 3. 12 Carcel is not CO. 19. TWA value for the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON. 19. TWA value of the gas channel number. 19. Setting is ON.	
12. STEL value is smaller than full scale value. 13. Assign gas many of un corresponding to display of STEL value. 14. Assign gas many of un corresponding to display of STEL value. 15. Assign gas many of un corresponding to display of STEL value. 16. Create character data corresponding to display of STEL value. 17. The TWA value is calculated from the average integrated value. 18. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrated value. 19. The TWA value is calculated from the average integrate	
TWA calculation processing  TWA value display processing  TWA valu	
TWA calculation processing  Perform TWA calculation processing  Perform TWA calculation processing  I minute average integrated value Gas Digit  Gas Channel number  TWA value display processing  TWA value display processing  Display TWA value display processing  Gas setting Fault status 1. The TWA value is calculated from the average integrated value of the gas channel number.  1. When the following conditions 2 to 6 are satisfied, TWA is display that status 2. Setting is ON.  3. H2 Cancel is not CO.  4. The sensor is normal.  Full scale value 5. TWA alam is ON.	
req[1-12-1-1]  Gas Digit of the gas channel number.  Gas channel number  TWA value display processing Display TWA value display processing  Gas setting Fault status 2. Setting is ON. TWA alaim point 3. H2 Carcel is not CO. TWA value Full scale value 5. TWA alaim SON.	
TWA value display processing  Display TWA value display processing  Gas setting Fault status 1. When the following conditions 2 to 6 are satisfied, TWA is display that status 1WA alaim point 3. H2 Cancel is not CO. 1WA value Full scale value 5. TWA alaim is ON.	e for 1 minute for the gas TWA value
Fault status 2. Setting is ON. TWI A alarm point 3. H2 Carcel is not CO. TWI A value 4. The sensor is normal. Full scale value 5. TWA alarm is ON.	played. None
TVIA value 4. The sensor is normal. Full scale value 5. TWA alarm is ON.	nayed.
<ol><li>TWA value is larger than full scale value.</li></ol>	
7. When the following conditions 8 to 12 are satisfied, '' is disp. 8. Setting is ON. 8. Setting is ON.	olayed.
9. H2 Cancel is not CO.	
10. The sensor is normal. 11. TWA alarm is ON.	
12. TWA value is smaller than full scale value.  13. Assign gas name / unit corresponding to display of TWA valu.	ie.
14. Create character data corresponding to display of TWA value	•
ALARM 1 H calculation processing Perform ALARM 1 H calculation processing 1 minute average integrated value 1. Calculate 1 H integrated value from average integrated value F	or 1 minute for gas of gas
req[1-14-1-1] Gas Digit channel number. Gas channel number	
Integrated value display processing Perform Integrated value display processing Fault status 2. Setting is ON. 2. Setting is ON.	ed value is displayed. None
TWA value 3. The sensor is normal.	
4. TWA value is larger than full scale value.  S. When the following conditions 6 to 8 are satisfied, '' is displ	ayed.
req[1-15-1-1] 6. Setting is ON. 7. The sensor is normal.	
8. TWA value is smaller than full scale value.	
Assign gas name / unit corresponding to display of TWA value     Create character data corresponding to display of TWA value	
reg[2-1-4-1] Alarm event initialization processing Initialize the alarm event flag None 1. Initialize the alarm flag.	None
reg(2.1.4.2) Alarm reset processing Perform alarm reset processing None 1. Turnon the alarm reset flag.	Alarm reset flag
req[2-1-5-1] Acquire warning flag Acquire warning flag Alarm retention status 1. Return alarm latching status of each sensor.	New alarm occurrence flag Alarm retention status
Alarm event judgment Perform alarm event judgment Alarm function flag is ON, the following processes 2 Type of gas measured by the sensor is valid and not a sensor error, implement the following processes 2. If the sensor is valid and not a sensor error, implement the following processes 2.	to 6 are executed. Alarm status owing. Alarm retention status
Alarm status 3. Determine the presence or absence of an alarm.	Alarm reset flag
5. If the sensor is invalid or sensor error, set alarm status and ala	rm holding status to 0.
6. Turnoff the reset flag. Alarm deend processing Perform alarm deend processing Gas number 1. If the current concentration is not an invalid value, the following	processes 2 to 7 Alarm status
1st alarm point are executed.	
3rd alarm point alarm point, the alarm status is set.	
STEL alarm point 3. If the STEL concentration exceeds the STEL alarm point, the a TWA alarm point, the a TWA balarm point, the a TWA balarm point and the TWA cancer point, the a	alarm status is set.
OVER alarm point 5. When the integral alarm flag is ON, if the integrated concentra	tion exceeds
req[2-1-5-3] Negative OVER alarm point the integral alarm point, the alarm status is set.  Negative OVER alarm point  Display concentration  6. When the display concentration over fleg is ON, the alarm status	us is set.
Display concentration negative flag Display concentration over flag is ON, the significant properties of the display concentration over flag is ON, the significant properties of the display concentration over flag is ON, the significant properties of the display concentration over flag is ON, the significant properties of the display concentration over flag is ON, the significant properties of the display concentration over flag is ON, the significant properties of the display concentration over flag is ON, the significant properties over flag	ılarm status is set.
Display concentration Negative over flag STEL concentration	
TWA concentration	
Accumulated concentration Integration warming flag	
Alarm flag assignment processing Perform alarm flag assignment processing Alarm status 1. The alarm status is compared with the alarm latching status, a new alarm, the new alarm occurrence flag is turned on.	and when there is New alarm occurrence flag Alarm retention status
Auto reset latching flag 2. When auto reset setting or alarm reset flag is ON, set alarm st	
Auarm reset hag sacroning status, 3. When the self-maintenance setting is set and the alarm reset f	lag is OFF, the alarm
Satus is substituted into the alarm holding status.  Gas alarm Perform gas alarm confilmation Gas alarm condition 1. Turnon the result when gas warning announcement or temper	ature result
req[2-1-5-5] confirmation processing processing processing alarm reporting. 2. Return results.	
Gas alarm confirmation processing Perform gas alarm confirmation processing Sensor gas measurement type 1. Perform the following processes 2 and 3 for all sensors.	Alarm status check result
req[2-1-5-6] Alarm retention status 2. When the sensor is valid, carry out the following. 3. If there is an alarm holding status, return on.	
rea[2-1-5-7] Alarm confirmation processing of the than man down alarm of the than the the than the than the than the than the tha	ed, turn on the result. Results of alarm check other than man down
Alarm point setting change gas Alarm point setting change gas Confirm if ESCAPE Item Number 1. When the item number is the maximum value + 1, turn on the	result. judgment result
Crick II ESCAPE display is display display is display d	ult. judgment result
red[2-2-1-2] Check if reset is displayed displayed control team gas clarify circles in team and the set of the control of the	None
req[2-2-1-3] ON/OFF setting of integrating alarm 2. When totalization alarm is ON, ALARM 1 H is displayed.	Ivorie
3. When Totalizing alarm is OFF, TWA is displayed.	display characters for None
Alarm point setting gas selection Perform alarm point setting gas selection menu Item Number 1. If the item number is smaller than the maximum value, create	
menu display processing display processing alarm point settings.	cters for default alarm
menu display processing display processing alarm point settings.  2. If the item number is the maximum value, create display chara- point settings.	icters for default alarm
menu display processing display processing display processing display processing alarm point settings.  2. If the item number is the maximum value, create display chargoint settings.  2. If the item number is the maximum value, create display chargoint setting point setting and processing alarm point setting end processing.  3. Otherwise, create a display character for FSCAPF.  1. End the setting in the order of 1. 1st alarm point, 2 nd alarm point.	point, 3 rd alarm point, Item Number
req[2-2-1-4] menu display processing display processing display processing alarm point settings.  2. 2. If the item number is the maximum value, create display chara-point settings.  3. Commendation of the setting of the order of 1. 1st alarm point, 2 nd alarm point setting on the order of 1. 1st alarm point, 2 nd alarm point, 2 nd alarm point, 2 nd alarm point, 3 nd alarm point, 7 nd al	point, 3 rd alarm point, Up / down change of numerical value Alarm point
rea [2-2-1-4] menu display processing display processing alarm point settings.  2. If the item number is the maximum value, create display characterings.  2. If the item number is the maximum value, create display characterings.  3. Otherwise, create a display character for FSCAPF.  Alarm point setting end processing and processing as a setting.  Alarm point setting start processing bearing processing.  Alarm point setting start processing.  Alarm point setting start processing.  Alarm point setting in the order of 1. 1 st alarm point, 2 nd alarm point.  1. Start setting in the order of 1. 1 st alarm point, 2 nd alarm point.	point, 3 rd alarm point, Up / down change of numerical value Alarm point
req[2-2-1-4] menu display processing display processing 2.2. If the item number is the maximum value, create display charge contributions.  Alarm point setting end processing req[2-2-1-6] Alarm point setting end processing req[2-2-1-6] Alarm point setting end processing req[2-2-1-6] Alarm point setting start processing req[2-2-1-6] Alarm point setting start processing req[2-2-1-6] Alarm point setting start processing Reference of the contribution of the contribu	voint, 3 rd alarm point,  Up / down change of numerical value Alarm point,  It 3 rd alarm point,  Item Number Up / down change of numerical value Alarm point of divariable
req[2-2-1-4] menu display processing display processing  display processing  display processing  2. If the item number is the maximum value, create display character for FSCAPF  req[2-2-1-5]  Alarm point setting end processing  req[2-2-1-6]  Alarm point setting start processing  Perform alarm point setting end processing  Alarm point setting in the order of 1. 1st alarm point, 2 nd alarm processing  Ferform alarm point setting start processing  Alarm point setting in the order of 1. 1st alarm point, 2 nd alarm point  TEL alarm point, 3 nd alarm point  TEL alarm point, 3 nd alarm point  TEL alarm point, 3 nd TWA alarm point  TEL alarm point, and TWA alarm point  TEL alar	tem Number  Up / down change of numerical value Alarm point, tt, 3 rd alarm point, ttem Number Up / down change of numerical value Alarm point det variable tem Number Up / down change of numerical value Alarm point edt variable
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red[2-2-1-4] menu display processing display processing display processing display processing display processing display processing 2. If the item number is the maximum value, create display charging the profit setting and processing and processing and processing display processing and proc	icint, 3 rd alarm point,  Up / down change of numerical value Alarm point,  Its Mann point  Alarm point of unraiside  Its Mann point of unraiside  Alarm point of unraiside value  Alarm point of unraiside value
red[2-2-1-4] menu display processing display processing display processing display processing  display processing  display processing  Alarm point setting and processing  Alarm point setting end processing  Alarm point setting end processing  Perform alarm point setting end processing  Alarm point setting start processing  Perform alarm point setting start processing  Alarm point setting start processing  Perform alarm point setting start processing  Alarm point setting as selection  red[2-2-1-6]  Alarm point setting gas selection  red[2-2-1-7]  Alarm point set value change  processing  Alarm point set value change  processing  Alarm point set value change  processing  Alarm point set value  1, 15, 21, 21, 22, 42, 42, 43 and alarm point value  1, 15, 22, 43, 42, 43 arm point setting poer limit value  1, 15, 22, 43, 42, 43 arm point setting poer limit value  1, 15, 22, 43, 44, 43 arm point setting poer limit value  1, 15, 22, 43, 44, 43 arm point setting poer limit value  1, 15, 22, 43, 44, 43 arm point setting poer limit value  1, 15, 22, 43, 44, 43 arm point setting poer limit value  1, 15, 22, 43, 44, 44, 44, 44, 45, 45, 46, 46, 46, 46, 46, 46, 46, 46, 46, 46	point, 3 rd alarm point,  Up / down change of numerical value Alarm point,  Item Number Up / down change of numerical value Alarm point,  Item Number Up / down change of numerical value Alarm point edit variable  Item Number Up / down change of numerical value Alarm point edit variable
req[2-2-1-4] menu display processing display processing  display processing  display processing  display processing  2. If the item number is the maximum value, create display charge point settings.  Alarm point setting end processing  req[2-2-1-5]  Alarm point setting end processing  Perform alarm point setting end processing  Red[2-2-1-6]  Alarm point setting start processing  Perform alarm point setting start processing  Alarm point setting is the order of 1. 1 st alarm point, 2 nd alarm point setting is selection  req[2-2-1-7]  Alarm point setting gas selection  Red[2-2-1-8]  Alarm point setting gas selection  Perform alarm point setting gas selection menu  start processing  Alarm point set value change  processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value change  Perform alarm point set value change processing  Alarm point set value  1. 1 st. 2nd. 3nd Acquire alarm settable upper limit value  1. 2 st. 2nd. 3nd Acquire alarm point setting value print value  1. 2 st. 2nd. 3nd Acquire alarm point setting value print value  1. 2 st. 2nd. 3nd Acquire alarm point setting value print value  1. 2 st. 2nd. 3nd Acquire alarm point setting value print value  2. 2 st. 2nd. 3nd Acquire alarm point setting value print value  2. 2 st. 2nd. 3nd Acquire alarm point setting value print value  2. 2 st. 2nd. 3nd Acquire alarm point setting value print value  3. 2 st. 2nd. 3nd Acquire alarm point setting value print value  4.	tern Number Up / down change of numerical value Alarm point, It, 3 rd alarm point, It with the service of numerical value Alarm point, It with Number Up / down change of numerical value Alarm point edit variable Item Number Up / down change of numerical value Alarm point edit variable Alarm point sett value
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req[2-2-1-4] menu display processing display processing display processing display processing  display processing  2. If the item number is the maximum value, create display charge point settings. 2. If the item number is the maximum value, create display charge point settings. 3. Chreatives create a risolate character for ESCAPE. 1. End the setting sit on evide of 1. Is aliam point, 2 nd slarm point setting se	tem Number  Up / down change of numerical value Alarm point, It, 3 rd alarm point, It with a sumber Up / down change of numerical value Alarm point ett variable Item Number Up / down change of numerical value Alarm point ett variable Item Number Up / down change of numerical value Alarm point ett variable Alarm point set value  atting lower limit value glower limit value of
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req[2-2-1-4] menu display processing display processing display processing display processing display processing display processing a larm point setting.  2. If the item number is the maximum value, create display charge point settings.  3. Otherwise, meets a riselaw character for ESCAPE are point setting.  4. Alarm point setting end processing req[2-2-1-6]  Alarm point setting start processing display processing req[2-2-1-7]  Alarm point setting start processing display processing d	icint, 3 rd alarm point,  Up / down change of numerical value Alarm point,  Item Number Up / down change of numerical value Alarm point  Item Number Alarm point est variable  Item Number Up / down change of numerical value Alarm point est variable  a be acquired  Alarm point est variable Alarm point est variable  a be acquired  Alarm point est value  Up / down change of numerical value  to be acquired  Alarm point set value  Up / down change of numerical value
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red[2-2-1-4]  menu display processing  display processing  display processing  display processing  display processing  Alarm point setting and processing  Alarm point setting end processing  Alarm point setting end processing  Alarm point setting and processing  Alarm point setting in the order of 1.1 st alarm point, 2 nd alarm point  red[2-2-1-6]  Alarm point setting gas selection  menu start processing  Alarm point setting gas selection  menu start processing  Alarm point setting as selection  menu start processing  Perform alarm point setting sas selection menu start processing  Alarm point setting as selection  menu start processing  Perform alarm point setting sas selection menu start processing  Alarm point set value change processing  Perform alarm point set value change processing  Alarm point setting sas selection  Tal. 2-1-1-8]  Alarm point setting gas selection  Alarm point setting sas selection  Tal. 2-1-1-8  Alarm point setting gas selection  Alarm point setting sas selection  Alarm point setting sas selection  Tal. 2-1-1-8  Alarm point setting sas selection  Alarm point setting sas selection  Tal. 2-1-1-8  Alarm point setting gas selection  Tal. 2-1-1-8  Alarm point setting gas selection  Tal. 3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	icint, 3 rd alarm point,  Up / down change of numerical value Alarm point,  Item Number Up / down change of numerical value Alarm point  Item Number Up / down change of rumerical value Alarm point edit variable  Item Number Up / down change of numerical value Alarm point edit variable  Alarm point edit variable  at a point edit variable Alarm point edit variable  Alarm point edit variable  Up / down change of numerical value  at a point edit variable  Up / down change of numerical value  Up / down change of numerical value  Verange he gas.  Up / down change of numerical value  Verange he gas.  Up / down change of numerical value  Verange he gas.  Verange he gas.  Alarm action
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req[3-1-5-1]	Reset of fault alarm	Perform reset of fault alarm	ON/OFF flag	The ON/OFF flag is set to the fault alarm flag.	Failure alarm flag
req[3-1-5-2]	Initialize gas related abnormality flag Initial reset resetable alarm reset	Initialize gas related abnormality flag Perform initial reset resetable alarm reset	Sensor status information None	Initialize sensor abnormality.     Cancel the flash abnormality of the equipment status information,	Sensor status information  Device status information
req[3-1-5-3]	processing	processing		clock abnormality, backup battery fault.	
req[3-1-5-4]	Resettable alarm cancellation processing	Perform Resettable alarm cancellation processing	None	<ol> <li>Resets flash abnormality of device status information, clock abnormality, backup battery abnormality, pump abnormality, flow rate abnormality.</li> </ol>	Device status information
req[3-2-1-1]	FRAM error flag ON processing Range check of FRAM	Performs FRAM error flag setting processing Perform range check of FRAM	None Device status information	Call FRAM error flag ON processing.     If the device status is FRAM error, return NG.	None Range check result
	(Check the effective value)	(check the effective value)	Type of gas measured by the sensor	If the device status is not FRAM abnormality, execute processes 2 to 4 below.     When each sensor is valid, check the range of the alarm point and the range of	
req[3-2-1-2]				the concentration calculation parameter 4. If the range check result is NG, turn on the FRAM error flag and set the range check	
				result to NG. 5. Return the range check result.	
req[3-2-1-3]	1 sec interrupt processing for self diagnosis	Perform 1 sec interrupt processing for self diagnosis	24 hour count timer	Add 24 hour counting timer.     If the 24-hour count timer has passed 24 hours, initialize the timer and turn on	24 hour count timer 24 hour self-diagnostic flag
-	Self-diagnosis treatment after	Perform self-diagnosis processing after 24 hours	24 hour self-diagnostic flag	the self-diagnosis flag for 24 hours.  1. When the 24-hour self-diagnosis flag is ON, perform the following processes 2 to 10.	24 hour self-diagnostic flag
	24 hours			Turnoff self-diagnosis flag for 24 hours.     Call ROM check start processing.	
				Call the SUM calculation start process of the sensor MCU.     Perform "RAM check start processing"	
req[3-2-1-4]				If FRAM updating is not underway, the following processes 7 to 10 are executed.     Call the RAM check process of the nonvolatile record setting part every 24 hours.	
				When the RAM check result is OK, the RAM abnormality flag OFF process is called.     When the RAM check result is NG, the RAM abnormality flag ON process is called.	
	FRAM abnormality flag ON	Performs FRAM error flag setting processing	ON/OFF setting flag	Call FRAM update flag ON processing.     When the ON/OFF setting flag is OFF, the FRAM error flag is turned off.	FRAM error flag
req[3-2-1-5]	processing			<ol><li>When the ON/OFF setting flag is ON, the FRAM error flag is set ON and the error code substitution process is called.</li></ol>	
req[3-2-1-6]	RAM abnormality flag ON processing	Performs RAM abnormality flag setting processing	ON/OFF setting flag	When the ON/OFF setting flag is OFF, the RAM abnormality flag is turned off.     When the ON/OFF setting flag is ON, the RAM abnormality flag is turned on and	RAM error flag
	1st alarm point range check	Perform 1st alarm point range check	Gas number	the error code substitution process is called.  1. If 1st alarm point is OFF concentration, OK is returned.	Range check result
req[3-2-1-7]	,		Gas table pointer	<ol><li>Call the range check processing with the lower limit as the minimum value of the alarm point and the upper limit as the 2nd alarm point.</li></ol>	
				<ol><li>In the case of oxygen, call the range check process with the lower limit set as the 2nd alarm point and the upper limit as the L warning maximum value.</li></ol>	
	2nd alarm point range check	Perform 2nd alarm point range check	Gas number Gas table pointer	When the 2nd alarm point is OFF concentration, OK is returned.     Call the range check processing with the lower limit as the 1st alarm point and	Range check result
req[3-2-1-8]				the upper limit as the 3rd alarm point.  3. In the case of oxygen, call the range check processing with the lower limit as	
	3rd alarm point range check	Perform 3rd alarm point range check	Gas number	the L warning minimum value and the upper limit as the 1st alarm point.  1. If the 3rd alarm point is OFF concentration, OK is returned.	Range check result
req[3-2-1-9]			Gas table pointer	Call the range check processing with the lower limit set as the 2nd alarm point and the upper limit as the alarm point maximum value.	
				In the case of oxygen, call the range check processing with the lower limit as the H alarm minimum value and the upper limit as the H alarm maximum value.	
req[3-2-1-10]	Range check (alarm point)	Perform a range check (alarm point)	Gas number	Call 1st, 2nd, 3rd, STEL, TWA range check processing of the specified gas number.     Return the range check result.	Range check result
req[3-2-1-11]	Range check (concentration calculation parameter)	Perform a range check (concentration calculation parameter)	Gas number	Call full-scale, digit, zero coefficient, span coefficient range check processing of the specified gas number.	Range check result
Teq[3-2-1-11]		Perform digit range check	Gas number	2. Return the range check result.  1. NG is returned if the digit does not match the gas default value.	Range check result
req[3-2-1-12]	Digit range check	angu rango tilitoti	Gas table pointer Gas Digit		go oncon rodult
rea[3-2-1-13]	Range check (FLOAT)	Perform a range check (FLOAT)	Check number Check value upper limit	I. If the check value is larger than the check value upper limit or less than the check value lower limit, NG is returned.	Range check result
Teq[3-2-1-13]	Fill and an architecture	Defend the share wheel	Check value lower limit		December 1 and 1
req[3-2-1-14]	Full scale range check	Perform full scale range check	Gas number Gas table pointer Full scale value	NG is returned if the full scale value does not match the gas default value.	Range check result
	Range check (U_LNG)	Perform a range check (U_LNG)	Check number	If the check value is larger than the check value upper limit or less than the check value	Range check result
req[3-2-1-15]			Check value upper limit Check value lower limit	lower limit, NG is returned.	
req[3-2-1-16]	Span coefficient range check	Perform span coefficient range check	Gas number Gas table pointer	<ol> <li>The range is checked with the lower limit value as the span coefficient minimum value and the upper limit value as the span coefficient</li> </ol>	Range check result
	STEL alarm point range check	STEL Alarm point Perform range check	Gas number	maximum value.  1. When the STEL alarm point is OFF concentration, OK is returned.	Range check result
req[3-2-1-17]			Gas table pointer	Call the range check processing with the lower limit as the STEL alarm minimum value and the upper limit as the STEL alarm point maximum value.	
req[3-2-1-18]	TWA alarm point range check	Perform TWA alarm point range check	Gas number Gas table pointer	When the TWA alarm point is OFF concentration, OK is returned.     Call the range check processing with the lower limit as the TWA alarm minimum value.	Range check result
	Zero coefficient range check	Perform zero coefficient range check	Gas number	and the upper limit as the TWA alarm point maximum value.  1. Check the range with the lower limit value as	Range check result
req[3-2-1-19]	-		Gas table pointer	the zero coefficient minimum value and the upper limit value as the zero coefficient maximum value.	
req[3-2-1-20]	RAM error flag ON processing	Performs RAM error flag setting processing	Successful check	When the check result is OK, the RAM abnormality flag is turned off.     If the check result is NG, turn on the RAM error flag.	RAM error flag
	RAM check process at startup	Perform RAM check processing at startup	None	Initialize the OUTPUT value with success     Initialize the RAM check phase flag	Successful check
				Initialize the RAM check retry counter     Call the RAM check start process	
rea[3-2-1-21]				Initialize the RAM check retry counter     Call the RAM check start process     Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more.	
req[3-2-1-21]				Call the RAM check start process     Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more.     Call the RAM check process	
req[3-2-1-21]				4. Call the RAM check start process S. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process 5 process 5.	
	DOM shock and confirmation	Parform POM check and confirmation processing	POM short shore	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful.	DOM shock and social shock cost if
req[3-2-1-21]	ROM check and confirmation processing	Perform ROM check end confirmation processing	ROM check phase	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return or if the ROM check phase is not finished.	ROM check and result check result
		Perform ROM check end confirmation processing Perform ROM check processing	ROM check phase ROM check SUM area phase	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return or if the ROM check phase is not finished. 1. If the ROM check phase is not of First the following processes 2 to 6 are executed. 2. When the ROM check phase is individed to the property of the ROM check phase is not finished.	ROM check phase ROM check SUM area phase
	processing		ROM check phase	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 1. If the ROM check phase is not offer. the following processes 2 to 6 are executed. 2. When the ROM check phase is finished, the SUM values are compared In case of SUM mismatch, turn on the ROM error bit. 3. If the ROM check phase is finished, carry out the following.	ROM check phase
req[3-2-1-22]	processing		ROM check phase	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. When the ROM check phase in finished, the SUM values are compared in case of SUM mismach, turn on the ROM error bit. 3. If the ROM check phase is finished, carry out the following. 4. ROM check When the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the even and add ROM check SUM area phase.	ROM check phase ROM check SUM area phase SUM value
req[3-2-1-22]	processing		ROM check phase	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. When the ROM check phase is individed for the ROM of the ROM check phase is not finished. 1. If the ROM check phase is not off inshed, carry out the following. 4. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase ends, the ROM check phase is finished. 1. Call ROM check start processing.	ROM check phase ROM check SUM area phase SUM value
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24]	processing ROM check processing	Perform ROM check processing	ROM check phase ROM check SUM area phase	4. Call the RAM check start process 5. Perform the following processess 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. When the ROM check phase is finished, carry out the following. 1. If the ROM check phase is not off inished, carry out the following. 3. If the ROM check phase is finished, carry out the following. 4. ROM check When the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the erea and add ROM check SUM area phase. 6. ROM check When the SUM area phase ends, the ROM check phase is finished. 1. Call ROM check start processing. 2. Perform ROM check chea. Initialize the ROM check phase. 1. Initialize the ROM check phase.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase
req[3-2-1-22] req[3-2-1-23]	processing  ROM check processing  ROM check process at startup	Perform ROM check processing  Perform ROM check process at startup	ROM check phase ROM check SUM area phase	4. Call the RAM check start process 5. Perform the following processess 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. When the ROM check phase is individed for the ROM check phase is not finished. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. When the ROM check phase is not finished, carry out the following. 4. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check When the SUM area phase ends, the ROM check phase is finished. 2. Perform ROM check for each ROM area. 1. Initialize the ROM check phase. 2. ROM check Initialize SUM area phase. 3. Initialize the ROM check phase. 3. Initialize the SUM area phase. 3. Initialize the SUM traver phase. 4. Initialize the SUM traver phase. 5. Initialize the SUM traver phase. 6. Initialize the SUM traver phase. 7. Initialize the SUM traver phase. 8. Initialize the SUM traver phase. 8. Initialize the SUM traver phase. 9. Initialize the SUM traver phase. 9	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24]	processing  ROM check processing  ROM check process at startup  ROM check start processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing	ROM check phase ROM check SUM area phase None None	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of 7. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 9. Returns OFF if the ROM check phase has ended. 9. Return on if the ROM check phase is not finished. 1. If the ROM check phase is finished, the SUM values are compared 1. If the ROM check phase is finished, the SUM values are compared 1. In case of SUM mismatch, turn on the ROM error initiatize the SUM value. 9. Calculate the SUM value for the area and add ROM check SUM area phase. 9. ROM check when the SUM area phase is starter, initiatize the SUM value. 9. ROM check when the SUM area phase ends ROM check SUM area phase. 9. ROM check when the SUM area phase ends. 9. Initiatize the SUM value (NOM area) 9. Initiatize the SUM area phase. 9. ROM check thintatize SUM area phase. 9. Low the RAM party error function. 9. Call the RAM check start process	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24]	processing  ROM check processing  ROM check process at startup  ROM check start processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing	ROM check phase ROM check SUM area phase None None	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 9. Returns OFF if the ROM check phase is not finished. 9. Return on if the ROM check phase is not finished. 9. Return on if the ROM check phase is not finished. 9. When the ROM check phase is not finished. 9. When the ROM check phase is not finished. 9. If the ROM check phase is not finished, carry out the following. 9. If the ROM check phase is not finished, carry out the following. 9. ROM check when the SUM area phase is started, initialize the SUM value. 9. Calculate the SUM value for the area and add ROM check SUM area phase. 9. ROM check when the SUM area phase ends, the ROM check phase is finished. 1. Call ROM check start processing. 1. Initialize the ROM check phase. 1. Initialize the ROM check phase. 1. Initialize the ROM check start processing. 2. Call the RAM check start processes. 3. Call the RAM check start processes. 4. Perform the following processes 5 to 6 for the number of times that the used RAM area can be checked start processes.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25]	processing  ROM check processing  ROM check process at startup  ROM check start processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing	ROM check phase ROM check SUM area phase None None	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 8. Call the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. Returns OFF if the ROM check phase has ended. 2. Return of If the ROM check phase is not finished. 1. Returns of Fif the ROM check phase is not finished. 2. When the ROM check phase is not finished. 3. If the ROM check phase is not finished. 4. When the ROM check phase is not finished. 5. If the ROM check phase is not finished, carry out the following. 6. If the ROM check phase is not finished, carry out the following. 7. ROM check when the SUM area phase is started, initialize the SUM value. 7. Call called the SUM value for the area and add ROM check SUM area phase. 7. ROM check when the SUM area phase ends, the ROM check phase is finished. 7. Call ROM check start processing. 7. Perform ROM check phase with success 7. ROM check thateless SUM area phase. 7. ROM check thateless SUM area phase. 7. ROM check thateless SUM area phase. 7. ROM check start processing. 7. ROM check start processing. 7. ROM check distart process 7. ROM check thateless SUM area phase. 7. ROM check distart process 7. ROM check thateless SUM area phase. 8. ROM check thateless SUM area phase. 9. ROM	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None  ROM check phase ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25]	processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check processing at startup	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup	ROM check phase ROM check SUM area phase None None None	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. Returns OFF if the ROM check phase has ended. 2. Return of if the ROM check phase is not finished. 1. If the ROM check phase is 100 FFF, the following processes 2 to 6 are executed. 2. When the ROM check phase is finished, the SUM values are compared in case of SUM mismatch, turn on the ROM error initialize the SUM value. 3. If the ROM check phase is not finished, carry out the following. 4. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase ends of the SUM value is finished. 1. Call ROM check start processing. 2. Perform ROM check phase is the ROM area. 1. Initiatize the OUTPUT value with success 2. Stop the RAM party error function. 3. Call the RAM check process 5. Call the RAM check start process 5. Call the RAM check start process 6. Call the RAM check start process 7. Call the RAM check start process 7. Call the RAM check process is success or failure, exit the loop process of process 4.  1. Initiatize the OUTPUT value with process fails, the OUTPUT value fails.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check SUM area phase Successful check
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25]	processing  ROM check processing  ROM check process at startup  ROM check start processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing	ROM check phase ROM check SUM area phase ROM check SUM area phase None None None Start address End address	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. If the result of the RAM check process is unsuccessful, the OUTPUT value will be 2. Return OFF if the ROM check phase is used to the control of the RAM check phase is used. 2. Return OFF if the ROM check phase is rot finished. 2. Return OFF if the ROM check phase is rot finished. 3. If the ROM check phase is rot finished. 4. When the ROM check phase is rot finished. 4. When the ROM check phase is rot finished, the SUM values are compared in case of SUM minimate, turn on the ROM error initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase is starter, initialize the SUM value. 7. Call ROM check phase is rot finished, carry out the following. 7. Call ROM check phase is not finished, carry out the following. 7. Call ROM check phase is not finished, carry out the following. 7. Call ROM check phase is not finished, carry out the following. 7. Call ROM check phase is not finished, carry out the following. 7. Call ROM check phase is not finished, carry out the following. 7. Call ROM check phase is not finished, carry out the following. 7. Call ROM check start processing. 7. Limitalize the ROM check phase. 7. Limitalize the ROM check phase. 7. Limitalize the ROM check phase. 7. Limitalize the ROM check phase is following processes of failure, exit the lose ROM area. 7. Limitalize the ROM check process is success or failure, exit the loop process of process 4. 7. Ithe result of the RAM check process is is used of the exit address to the end address is added to the base SUM value.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None  ROM check phase ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26]	Partial calculation processing  ROM check process at startup  ROM check start processing  RAM check processing at startup	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform partial calculation processing of ROMSUM  Perform ROMSUM assignment processing	ROM check phase ROM check SUM area phase ROM c	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. Successful. 8. Results of the RAM check process is unsuccessful, the OUTPUT value will be 1. Returns OFF if the ROM check phase has ended. 2. Return of if the ROM check phase is not finished. 2. Returns of Fif the ROM check phase is rot finished. 3. If the ROM check phase is rot finished. 4. When the ROM check phase is finished, the SUM values are compared in case of SUM mismatch, turn on the ROM error initialize the ROM check phase is not finished, carry out the following. 4. ROM check when the SUM area phase is starter, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase ends of the ROM check phase is finished. 1. Call ROM check start processing. 2. Perform ROM check for each ROM area. 1. Initiatize the OUTPUT value with success 2. Stop the RAM party error function. 3. Call the RAM check start process 4. Perform the ROM check process is success or failure, exit the used RAM area 6. Call the RAM check process is success or failure, exit the loop process of process 4. 7. Ithe result of the RAM check process fails, the OUTPUT value fails. 1. The SUM value. 2. Return base SUM value. 3. Return base SUM value. 4. Return base SUM value. 5. Return base SUM value. 5. Return base SUM value. 5. Return base SUM value. 6. Return base SUM value. 6. Return base SUM value. 6. Return base SUM value. 7. Return base SUM value. 7. Return base SUM value. 7. Return base SUM value. 8. Return base SUM value.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check phase ROM check phase ROM check SUM area phase Successful check  Base SUM value  Result of calculation of SUM value of ROM
rea[3-2-1-22] rea[3-2-1-23] rea[3-2-1-24] rea[3-2-1-25] rea[3-2-1-26]	Partial calculation processing  Pom check process at startup  ROM check start processing  RAM check processing at startup  Partial calculation processing  of ROMSUM	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform Perform RAM check processing at startup	ROM check phase ROM check SUM area phase ROM check SUM area phase None None Start address End address Base SUM value None None	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 2. Return on if the ROM check phase is not finished. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. When the ROM check phase is not OFF, the following processes 2 to 6 are executed. 3. If the ROM check phase is not off-sinded, carry out the following. 4. ROM check phase is not finished, carry out the following. 4. ROM check there is DUM area phase is started, initialize the SUM value. 6. ROM check When the SUM area phase is started. Initialize the SUM value. 6. Call ROM check start processing. 7. Limitation the ROM check phase. 8. Initiation the ROM check phase. 8. Initiation the ROM check phase. 9. ROM check initiation such area phase. 9. Initiation the ROM check phase is started. 9. ROM check phase is continued to the success of the ROM check phase. 9. ROM check initiation such area phase. 1. Initiation the ROM check phase. 9. Call the RAM check start process 9. Call the RAM check phase is success or failure, exit the loop process of process 4. 9. If the result of the RAM check process is success or failure, exit the loop process of process 6. 1. The result of the RAM check process is success or failure, exit the loop process of process 4. 1. The SUM was been from the start address to the end address is added to the base SUM value. 1. Returns the SUM calculation result of ROM. 1. Returns the SUM calculation result of ROM. 1. Returns the SUM calculation result of ROM.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check SUM area phase Successful check  Base SUM value
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25] req[3-2-1-26]	processing  ROM check processing  ROM check process at startup  ROM check processing  RAM check processing at startup  Partial calculation processing  of ROMSUM  ROMSUM assignment processing  SUM check in progress flag	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform RAM check processing of ROMSUM  Perform ROMSUM assignment processing  Acquire SUM check in progress flag	ROM check phase ROM check SUM area phase ROM c	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. Successful. 8. Results of the RAM check process is unsuccessful, the OUTPUT value will be 1. Returns OFF if the ROM check phase has ended. 2. Return of if the ROM check phase is not finished. 2. Returns of Fif the ROM check phase is rot finished. 3. If the ROM check phase is rot finished. 4. When the ROM check phase is finished, the SUM values are compared in case of SUM mismatch, turn on the ROM error initialize the ROM check phase is not finished, carry out the following. 4. ROM check when the SUM area phase is starter, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase ends of the ROM check phase is finished. 1. Call ROM check start processing. 2. Perform ROM check for each ROM area. 1. Initiatize the OUTPUT value with success 2. Stop the RAM party error function. 3. Call the RAM check start process 4. Perform the ROM check process is success or failure, exit the used RAM area 6. Call the RAM check process is success or failure, exit the loop process of process 4. 7. Ithe result of the RAM check process fails, the OUTPUT value fails. 1. The SUM value. 2. Return base SUM value. 3. Return base SUM value. 4. Return base SUM value. 5. Return base SUM value. 5. Return base SUM value. 5. Return base SUM value. 6. Return base SUM value. 6. Return base SUM value. 6. Return base SUM value. 7. Return base SUM value. 7. Return base SUM value. 7. Return base SUM value. 8. Return base SUM value.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25] req[3-2-1-26]	processing  ROM check processing  ROM check process at startup  ROM check processing  RAM check processing at startup  Partial calculation processing  of ROMSUM  ROMSUM assignment processing  SUM check in progress flag	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform RAM check processing of ROMSUM  Perform ROMSUM assignment processing  Acquire SUM check in progress flag	ROM check phase ROM check SUM area phase ROM check SUM area phase None None Start address End address Base SUM value None None	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of 7. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 9. Returns OFF if the ROM check phase has ended. 9. Return on if the ROM check phase is not finished. 1. Returns OFF if the ROM check phase is not finished. 1. If the ROM check phase is finished, the SUM values are compared 1. In the ROM check phase is finished, the SUM values are compared 1. In case of SUM mismatch, turn on the ROM error initiatize the SUM value. 9. ROM check when the SUM area phase is starter, initiatize the SUM value. 1. Call ROM check start processing. 1. Call ROM check when the SUM area phase is starter, initiatize the SUM value. 1. Call ROM check initiatize SUM area phase. 1. Call ROM check initiatize SUM area phase. 1. Call ROM check initiatize SUM area phase. 2. ROM check initiatize SUM area phase. 3. ROM check initiatize SUM area phase. 4. Perform ROM check start processing. 5. So the RAM parity error function 6. Call the RAM check process is success or failure, exit the used RAM area can be checked 3 times or more. 5. Call the RAM check process 6. If the result of the RAM check process is success or failure, exit the loop process of process of 1. Return best SUM value. 6. Returns the SUM value in the start address to the end address is added to 7. Return best SUM value in the start address to the end address is added to 7. Return best SUM value when the start address to the end address is added to 7. Return best SUM value when the start address to the end address is added to 7. Return best SUM value. 7. Return best SUM value and set the ROM check phase is extended the ROM check phase is of the ROM check phase is a fire	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25] req[3-2-1-26] req[3-2-1-26]	processing  ROM check processing  ROM check process at startup  ROM check processing  RAM check processing at startup  Partial calculation processing  of ROMSUM  ROMSUM assignment processing  SUM check in progress flag	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform RAM check processing of ROMSUM  Perform ROMSUM assignment processing  Acquire SUM check in progress flag	ROM check phase ROM check SUM area phase ROM check SUM area phase None None Start address End address Base SUM value None None	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 7. Returns OFFF the ROM check phase has ended. 7. Returns of the RAM check phase is not finished. 7. Returns of the ROM check phase is not finished. 7. Returns of the ROM check phase is not finished. 8. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 9. If the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. ROM check when the SUM area phase is started, initialize the SUM value for the area and add ROM check SUM area phase. 9. ROM check when the SUM area phase ends, the ROM check phase is finished. 9. Perform ROM check start processing. 9. Perform ROM check for each ROM area 9. Initialize the COM check phase. 9. ROM check hintaire SUM area phase. 9. ROM check hintaire SUM area phase. 9. Initialize the COMPUTPUT value with success 9. Stop the RAM check start process 9. Stop the RAM check start process 9. Letter ROM check phase is success or failure, exit the loop process of process 4. 1. The result of the RAM check process lais, the OUTPUT value fails. 1. The SUM value from the start address to the end address is added to the base SUM value. 9. Return base SUM value. 1. Return Both Check phase. 1. When the ROM check phase. 1. When the ROM check phase is started, the SUM value is initialized. 1. If the ROM check phase is started, the SUM value is initialized. 1. If the ROM check phase is started, the SUM value is initialized.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25] req[3-2-1-26] req[3-2-1-26]	processing  ROM check processing  ROM check process at startup  ROM check processing at startup  RAM check processing at startup  Partial calculation processing of ROMSUM  ROMSUM assignment processing  SUM check in progress flag	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform partial calculation processing of ROMSUM  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM check processing	ROM check phase ROM check SUM area phase ROM check SUM area phase None None Start address End address Base SUM value None None	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of 7. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 9. Returns OFF if the ROM check phase is not finished. 9. Return on if the ROM check phase is not finished. 9. Return on the ROM check phase is not finished. 9. The ROM check phase is not finished, carry out the following. 9. ROM check when the SUM area phase is started, initialize the SUM value. 9. Calculate the SUM value for the area and add ROM check SUM area phase. 9. ROM check when the SUM area phase is not finished. 1. Call ROM check start processing. 1. Call ROM check start processing. 1. Initialize the ROM check phase. 1. Initialize the ROM check phase. 1. Initialize the ROM check phase. 2. ROM check induced the supplemental phase deals. 3. ROM check the check start processing. 4. Perform ROM check start processing. 5. Call the RAM check start processes. 6. Call the RAM check start processes. 7. Initialize the ROM check phase is started, the SUM value is initialized. 1. The SUM value from the start address to the end address is added to the base SUM value. 1. Return Bodd check phase is started, the SUM value is initialized. 2. If the ROM check phase is in confined to the ROM check phase is defensed. 3. If the result of the RAM check process is uncess or failure, exit the loop process of process of the RAM check process is uncess or failure, exit the loop process of process. 4. Perform the following processes is uncess or failure, exit the loop process of process. 4. Perform the following processes is success or failure,	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26]	processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check start processing at startup  Partial calculation processing of ROMSUM  ROMSUM assignment processing  SUM check in progress flag  ROM check processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform partial calculation processing of ROMSUM  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM check processing	ROM check phase ROM check SUM area phase ROM check phase ROM check phase ROM check phase Check type Check type	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of 2. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 3. Returns of Fif the ROM check phase is not finished. 4. Return on the ROM check phase is not finished. 5. If the ROM check phase is not finished. 6. When the ROM check phase is not finished. 6. When the ROM check phase is not finished. 7. If the ROM check phase is not finished, carry out the following. 8. ROM check when the SUM area phase is started, initialize the SUM value. 9. Calculate the SUM value for the area and add ROM check SUM area phase. 9. ROM check when the SUM area phase is started, initialize the ROM check phase is finished, carry out the following. 1. Call ROM check attart processing. 1. Call ROM check phase phase is not finished. 1. Call ROM check start processing. 1. Initialize the ROM check phase. 2. Rom check initialize SUM area phase. 3. Call the RAM check process is success or failure, exit the loop process of process 4. 4. Purform the following processes 5 is 6 for the number of times that the used RAM area and be checked a times or more. 5. Call the RAM check process is is uncess or failure, exit the loop process of process 4. 5. If the result of the RAM check process is is in the result of ROM. 6. If the result of the RAM check process is is in the result of ROM. 7. Returns the SUM value. 7. If the result of the RAM check process is in the f	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check SUM area phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check result
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-25] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26]	processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check processing at startup  Partial calculation processing of ROMSUM assignment processing  SUM check in progress flag  ROM check processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM check processing	ROM check phase ROM check SUM area phase ROM check phase ROM check phase ROM check phase	4. Call the RAM check start process 5. Perform the following processess 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 2. Return on if the ROM check phase is not fore. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. When the ROM check phase is not Fore. 3. If the ROM check phase is not Fore. 4. ROM check when the SUM area phase is started, intitialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase is started, intitialize the SUM value. 7. Call Call ROM check start processing. 7. Leaf ROM check start processing. 7. Leaf ROM check phase. 7. ROM check start processing. 7. Leaf ROM check phase is an explained phase is started, intitialize the SUM value with success 7. Stoph the RAM partity error function 7. Leaf ROM check phase. 7. ROM check start processing. 7. Leaf ROM check phase is a result of the RAM check start process 8. Leaf ROM check phase is started, the SUM value is not the start and the success of failure, soft the used RAM area 8. Leaf ROM check phase is considered in the RAM check start process 8. If the result of the RAM check process is success or failure, soft the loop process of 1. If the result of the RAM check process is success or failure, soft the loop process of 1. If the result of the RAM check process is success or failure, soft the loop process of 1. The result of the RAM check process is success or failure, soft the loop process of 1. The result of the RAM check process is success or failure, soft the loop process of 1. The result of the RAM check process is success or failure, soft the loop process of 1. The	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase ROM check phase ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-29] req[3-2-1-30]	processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check processing at startup  Partial calculation processing of ROMSUM assignment processing  SUM check in progress flag  ROM check processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM check processing	ROM check phase ROM check SUM area phase ROM check phase ROM check phase ROM check phase Check type Check type	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 7. If the result of the RAM check process is unsuccessful, the OUTPUT value will be process 5. 8. Returns OFF if the ROM check phase has ended. 2. Return of 1 the ROM check phase is not finished. 2. Return of 1 the ROM check phase is not finished. 3. Returns of 1 the ROM check phase is 1 for finished. 4. If the ROM check phase is 1 for 165°F, the following processes 2 to 6 are executed. 4. When the ROM check phase is not finished, carry out the following. 4. If the ROM check phase is not finished, carry out the following. 4. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase ends, the ROM check phase is finished. 1. Call ROM check start processing. 2. Perform ROM check phase phase ends, the ROM check phase is finished. 3. Call the RAM check for each ROM area. 1. Initiatize the OUTFUT value with success 2. Stop the RAM party error function. 3. Call the RAM check process is success or failure, exit the used RAM area can be checked of times or more. 5. Call the RAM check process 6. If the result of the RAM check process is success or failure, exit the loop process of process 4. 1. The RAM check process is not finished, carry out the following. 3. Return BOM check phase is completed, the OUTPUT value fails. 4. The RAM check process is in the RAM check process is increased in the RAM check process. 5. Call the RAM check process is in the RAM check process of railure, exit the loop process of process 4. 7. If the result of the RAM check process is increased in the result of the RAM check process. 6. Call the RAM check process is an expense of the process of railure, exit the loop process of process 4. 7.	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase ROM check phase ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-28] req[3-2-1-30] req[3-2-1-31]	processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check processing at startup  Partial calculation processing of ROMSUM  ROMSUM assignment processing  SUM check in progress flag  ROM check processing  SUM check processing  SUM check processing  FAIL check processing  FAIL check processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform RAM check processing at startup  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM check processing	ROM check phase ROM check SUM area phase ROM check phase ROM check phase ROM check phase Check type Check type	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. Horse of the RAM check process is unsuccessful, the OUTPUT value will be expected to the RAM check process is unsuccessful, the OUTPUT value will be RAM check process is unsuccessful, the OUTPUT value will be 1. Returns OFF if the ROM check phase is not finished. 2. Return or if the ROM check phase is not finished. 3. Returns or if the ROM check phase is not finished. 4. Returns or if the ROM check phase is not finished. 4. When the ROM check phase is not finished, carry out the following. 4. When the ROM check phase is not finished, carry out the following. 4. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase is extend, initialize the SUM value. 6. Calculate the SUM value for the area and add ROM check SUM area phase. 7. Loal ROM check start processing. 7. Loal ROM check phase is ROM check phase. 8. ROM check when the SUM area phase. 8. ROM check when the SUM area phase. 8. ROM check when the SUM area phase. 9. ROM check intainize SUM area phase. 9. Loal ROM check phase is started, the SUM value is finished. 9. Loal ROM check phase is considered the success of failure, exit the loop process of process 4. 9. Perform ROM check phase is considered to the end address is added to the base SUM value. 9. Return base SUM value was the start address to the end address is added to the base SUM value. 9. Return base SUM value as is not finished, carry out the following. 9. Return base SUM value. 9. R	ROM check phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase ROM check phase ROM check phase
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-29] req[3-2-1-30]	processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check start processing  RAM check processing at startup  Partial calculation processing  GROMSUM  ROMSUM  ROMSUM assignment processing  SUM check processing  ROM check processing  SUM check processing  FAIL check processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform ROM check start processing at startup  Perform RAM check processing at startup  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM check processing  Perform ROM check processing  Perform the SUM check in progress flag start substitution processing  Perform the SUM check in progress flag start substitution processing	ROM check phase ROM check SUM area phase ROM check SUM area phase None None None Start address End address Base SUM value None ROM check phase ROM check phase	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 7. Returns OFF if the ROM check phase has ended. 7. Returns OFF if the ROM check phase is not finished. 7. Returns OFF if the ROM check phase is not finished. 8. Return of the ROM check phase is not fore. The term of the ROM check phase is not fore. 8. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 9. If the ROM check phase is not fore the return of the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. If the ROM check phase is not finished. 9. ROM check when the SUM area phase is started, initialize the SUM value for the area and add ROM check SUM area phase. 9. ROM check when the SUM area phase ends, the ROM check phase is finished. 9. Perform ROM check phase is phase ends, the ROM check phase is finished. 9. Loal ROM check start processing. 9. Perform ROM check phase. 9. Initialize the OUTPUT value with success 9. Stop the RAM partly error function 9. Call the RAM check start process 9. Load check of simes or more. 9. Initialize the OUTPUT value with success or failure, exit the loop process of process of 1. In the result of the RAM check process is success or failure, exit the loop process of process 4. 9. If the result of the RAM check process is is not end address is added to the base SUM value. 9. Return base SUM value. 9. Return base SUM value on the start address to the end address is added to the base SUM value is started, the SUM value is initialized. 1. The ROM check phase is completed, the SUM value is initialized. 2. If the ROM check phase is started, the SUM value is initialized. 3. If the equipment status is aborted	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check SUM area phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase ROM check phase ROM check result
req[3-2-1-22] req[3-2-1-24] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-30] req[3-2-1-31] req[3-2-1-32]	processing  ROM check processing  ROM check process at startup  ROM check processing  ROM check start processing  RAM check processing at startup  Partial calculation processing of ROMSUM  ROMSUM assignment processing  SUM check in progress flag  ROM check processing  SUM check processing  SUM check processing  SUM check processing  ROM check processing  CLOCK error flag setting	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform ROM check start processing at startup  Perform RAM check processing at startup  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM check processing  Perform ROM check processing  Perform the SUM check in progress flag start substitution processing  Perform the SUM check in progress flag start substitution processing	ROM check phase ROM check SUM area phase ROM check SUM area phase None None None Start address End address Base SUM value None ROM check phase ROM check phase	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not feinber. 1. Returns OFF if the ROM check phase is not feinber. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. If the ROM check phase is not feinber. 3. If the ROM check phase is not feinber. 3. If the ROM check phase is not feinber. 3. If the ROM check phase is not finished, carry out the following. 4. ROM check with missable, turn on the ROM area to the following. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase ends, the ROM check phase is finished. 6. Loal ROM check start processing. 6. Perform ROM check for each ROM area. 6. Initialize the OUTPUT value with success 7. Initialize the SUM value by the success of failure, exit the loop process of process of the ROM check phase is a fertile processing. 7. If the result of the RAM check process is success or failure, exit the loop process of process of the RAM check phase is started, the SUM value is initialized. 7. The SUM value from the start address to the end address is added to the base SUM value. 8. Return base SUM value. 9. Return base SUM value. 9. Return base SUM value is started, the SUM value is initialized. 9. If the result of the RAM check phase is completed, the SUM value is are compared. 9. In decide status is a shorted phase is not the end. 9. If the	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check SUM area phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase ROM check phase ROM check result
req[3-2-1-22] req[3-2-1-23] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-28] req[3-2-1-30] req[3-2-1-31]	processing  ROM check processing  ROM check process at startup  ROM check processing  ROM check start processing  RAM check processing at startup  Partial calculation processing of ROMSUM  ROMSUM assignment processing  SUM check in progress flag  ROM check processing  SUM check processing  SUM check processing  SUM check processing  CLOCK error flag setting  CLOCK error flag setting  processing	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform ROM check start processing at startup  Perform RAM check processing at startup  Perform ROMSUM assignment processing Acquire SUM check in progress flag  Perform ROM check processing  Perform backup battery error flag setting processing  Perform backup battery error flag setting processing	ROM check phase ROM check SUM area ROM check phase	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase has ended. 2. Return on if the ROM check phase is not finished. 2. Return on if the ROM check phase is not fore. 1. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. If the ROM check phase is not OFF, the following processes 2 to 6 are executed. 3. If the ROM check phase is not finished. 3. If the ROM check phase is not finished. 3. If the ROM check phase is not finished. 3. If the ROM check phase is not finished. 3. If the ROM check phase is not finished. 4. ROM check without missable, turn on the ROM area to the following. 4. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase end and ROM check phase is finished. 1. Call ROM check start processing. 2. Perform ROM check for each ROM area. 1. Initialize the SUM value with success 2. Stop the RAM partity error function 3. Call the RAM check start process 4. Perform the following processess 5 to 6 for the number of times that the used RAM area can be checked 3 times or more. 6. If the result of the RAM check process is success or failure, exit the loop process of process 4. 7. If the result of the RAM check process is increased in the RAM check start process 9. If the result of the RAM check process is increased in the RAM check process of process of failure, exit the loop process of 9. If the result of the RAM check process is success or failure, exit the loop process of 9. If the result of the RAM check process is increased in the RAM check process is access. 9. The RAM check phase i	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check result ROM check phase
req[3-2-1-22] req[3-2-1-24] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-30] req[3-2-1-31] req[3-2-1-32]	processing  ROM check processing  ROM check process at startup  ROM check processing  ROM check start processing  RAM check processing at startup  Partial calculation processing of ROMSUM  ROMSUM assignment processing  SUM check in progress flag  ROM check processing  SUM check processing  SUM check processing  SUM check processing  ROM check processing  CLOCK error flag setting	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform RAM check processing at startup  Perform Power partial calculation processing of ROMSUM  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM Check processing  Perform the SUM check in progress flag start substitution processing  Perform FAIL check processing	ROM check phase ROM check SUM area phase ROM check phase ROM chec	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 1. Returns OFF if the ROM check phase is not floribung processes 2 to 6 are executed. 2. Return on if the ROM check phase is not fore. The following processes 2 to 6 are executed. 2. When the ROM check phase is not OFF, the following processes 2 to 6 are executed. 2. When the ROM check phase is not fore. The following the following. 3. If the ROM check phase is not finished, carry out the following. 3. If the ROM check phase is not finished, carry out the following. 4. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase is started, initialize the SUM value. 7. Call ROM check start processing. 7. Leaform ROM check for each ROM area. 7. Initialize the ROM check phase. 7. Initialize the SUM value of the area phase. 7. Initialize the SUM value of the area phase. 7. Initialize the GOM check start processing. 7. ROM check initialize SUM area phase. 7. Initialize the GOM check phase. 7. Initialize the GOM check phase. 7. Initialize the GOM check phase. 8. ROM check the phase phase. 8. ROM check the phase phase of the ROM check phase is finished. 9. Rom the ROM check phase. 9. Rom the ROM check phase is called the sum of the ROM check phase is the ROM check phase is not finished. 9. Rom the ROM check phase is called to the ROM check phase is not finished. 9. Rom the ROM check phase is completed, the old phase is added to the ROM check phase is a treated the ROM check phase is	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check SUM area phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase ROM check phase ROM check result  ROM check phase ROM check phase ROM check phase ROM check phase
req[3-2-1-22] req[3-2-1-24] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-30] req[3-2-1-31] req[3-2-1-32]	processing  ROM check processing  ROM check process at startup  ROM check process at startup  ROM check start processing  RAM check processing at startup  Partial calculation processing of ROMSUM  ROMSUM assignment processing  SUM check in progress flag  ROM check processing  SUM check processing  SUM check processing  SUM check processing  CHOCK error flag setting  processing  CLOCK error flag setting  processing  CLOCK error flag setting  processing  Chock date and time	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform ROM check start processing at startup  Perform RAM check processing at startup  Perform ROMSUM assignment processing Acquire SUM check in progress flag  Perform ROM check processing  Perform backup battery error flag setting processing  Perform backup battery error flag setting processing	ROM check phase ROM check SUM area phase ROM check phase ROM chec	4. Call the RAM check start process 5. Perform the following processess 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of 7. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 9. Returns OFF if the ROM check phase has ended. 9. Return on if the ROM check phase is not finished. 1. Returns OFF if the ROM check phase is not finished. 1. If the ROM check phase is finished, the SUM values are compared 1. In the ROM check phase is finished, the SUM values are compared 1. In case of SUM will mismatch, turn on the ROM error initiatize the SUM value. 9. ROM check when the SUM area phase is started, initiatize the SUM value. 9. Calculate the SUM value for the area and add ROM check SUM area phase. 9. ROM check when the SUM area phase is started, initiatize the SUM value. 9. Calculate the SUM value for the area and add ROM check SUM area phase. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is finished. 9. Calculate the SUM value for the area and add ROM check phase is a finished. 9. Life the ROM check phase is added to a sea and	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check result ROM check phase
req[3-2-1-22] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-30] req[3-2-1-31] req[3-2-1-32] req[3-2-1-32]	processing  ROM check processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check start processing  RAM check processing at startup  Partial calculation processing at startup  ROMSUM  ROMSUM  ROMSUM assignment processing  SUM check processing  ROM check processing  SUM check processing  FAIL check processing  CLOCK error flag setting processing  CLOCK error flag setting processing  Check date and time (check unlikely calendar value)	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform ROM check start processing  Perform ROM check processing at startup  Perform ROMSUM assignment processing Acquire SUM check in progress flag  Perform ROM check processing  Perform ROM check processing  Perform ROM check processing  Perform ROM check processing  Perform FAIL check processing  Perform FAIL check processing  Perform FAIL check processing  Perform CLOCK error flag setting processing  Perform CLOCK error flag setting processing  Check date and time (check unlikely calendar value)	ROM check phase ROM check SUM area phase ROM check phase ROM chec	4. Call the RAM check start process 5. Perform the following processess 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of 7. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 9. Returns OFF if the ROM check phase has ended. 9. Return on if the ROM check phase is not finished. 1. Returns OFF if the ROM check phase is not finished. 1. If the ROM check phase is finished, the SUM values are compared 1. If the ROM check phase is finished, the SUM values are compared 1. In case of SUM will mismatch, turn on the ROM error bindize the 1. If the ROM check phase is not finished, carry out the following. 9. ROM check when the SUM area phase is starter, initiatize the SUM value. 9. Calculate the SUM value for the area and add ROM check SUM area phase. 1. Call ROM check start processing. 2. ROM check when the SUM area phase is starter, initiatize the SUM value. 2. ROM check start processing. 2. ROM check start processing. 2. ROM check initiatize SUM area phase. 3. ROM check initiatize SUM area phase. 4. ROM check initiatize SUM area phase. 5. Call the RAM check process is success or failure, exit the used RAM area and be checked 3 times or more. 5. Call the RAM check process 6. Call the RAM check process 7. Life the RAM check process 8. Perform the following processes 5 to 6 for the number of times that the used RAM area and be checked 3 times or more. 5. Call the RAM check process is success or failure, exit the loop process of 8. If the result of the RAM check process is success or failure, exit the loop process of 9. Perform the following processes 5 to 6 for the end address is added to 9. Returns the SUM value was a seat of the RAM check process 1. Return beas SUM value. 1. Returns the SUM value and set the ROM check phase is	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check sum area phase Successful check  Base SUM value  Result of calculation of SUM value of ROM. ROM check phase ROM check phase ROM check result  ROM check phase Result of FAIL check  Backup battery fault flag  CLOCK abnormality flag  Date and time check result
req[3-2-1-22] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-30] req[3-2-1-31] req[3-2-1-32] req[3-2-1-32]	processing  ROM check processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check start processing at startup  Partial calculation processing at startup  Partial calculation processing of ROMSUM  ROMSUM  ROMSUM assignment processing  SUM check in progress flag  ROM check processing  SUM check processing  SUM check processing  Check data partial processing  CLOCK error flag setting processing  CLOCK error flag setting processing  Check data and time (check unlikely calendar value)  Confirm whether it is a leap year	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform ROM check start processing  Perform ROM check processing at startup  Perform ROMSUM assignment processing at startup  Perform ROMSUM assignment processing  Acquire SUM check in progress flag  Perform ROM check processing  Perform ROM check processing  Perform ROM check processing  Perform the SUM check in progress flag start aubstitution processing  Perform FAIL check processing  Perform CLOCK error flag setting processing  Check date and time (check unlikely calendar value)  Confirm whether it is a leap year	ROM check phase ROM check SUM area phase ROM check phase ROM chec	4. Call the RAM check start process 5. Perform the following processes 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of 7. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be unsuccessful. 9. Returns OFF if the ROM check phase has ended. 9. Return on if the ROM check phase is not finished. 1. If the ROM check phase is not finished. 1. If the ROM check phase is not finished. 2. When the ROM check phase is finished, the SUM values are compared 1. In case of SUM will mismatch, turn on the ROM error bit initialize the SUM value. 9. ROM check when the SUM area phase is started, initialize the SUM value. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase is started, initialize the ROM check phase is finished, the ROM check phase is finished. 1. Call ROM check attart processing. 2. Perform ROM check for the ROM area. 1. Instalize the ROM check phase. 2. Stop the ROM party processing. 2. Perform ROM check for each ROM area. 3. Instalize the ROM check phase. 4. Instalize the ROM check phase. 5. Call the RAM check process is success or failure, exit the lose of ROM area. 6. Call the RAM check start processes. 7. Let the ROM check start processes. 8. Perform the following processes 5 to 6 for the number of times that the used RAM area and be checked 3 times or more. 5. Call the RAM check process is success or failure, exit the loop process of 8. If the result of the RAM check process is success or failure, exit the loop process of 9. If the result of the RAM check process is success or failure, exit the loop process of 9. If the result of the RAM check process is success or failure, exit the loop process of 1. If the result of the RAM check process is success or failure, exit the loop	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check SUM area phase Successful check  Base SUM value  Result of calculation of SUM value of ROM ROM check phase ROM check phase ROM check result  ROM check phase ROM check phase ROM check phase ROM check result  CLOCK abnormality flag  Date and time check result  Lesp year confirmation result
req[3-2-1-22] req[3-2-1-24] req[3-2-1-24] req[3-2-1-26] req[3-2-1-26] req[3-2-1-26] req[3-2-1-27] req[3-2-1-30] req[3-2-1-31] req[3-2-1-32] req[3-2-2-3]	processing  ROM check processing  ROM check processing  ROM check process at startup  ROM check start processing  RAM check start processing  RAM check processing at startup  Partial calculation processing at startup  ROMSUM  ROMSUM  ROMSUM assignment processing  SUM check processing  ROM check processing  SUM check processing  FAIL check processing  CLOCK error flag setting processing  CLOCK error flag setting processing  Check date and time (check unlikely calendar value)	Perform ROM check processing  Perform ROM check process at startup  Perform ROM check start processing  Perform ROM check start processing  Perform ROM check processing at startup  Perform ROMSUM assignment processing Acquire SUM check in progress flag  Perform ROM check processing  Perform ROM check processing  Perform ROM check processing  Perform ROM check processing  Perform FAIL check processing  Perform FAIL check processing  Perform FAIL check processing  Perform CLOCK error flag setting processing  Perform CLOCK error flag setting processing  Check date and time (check unlikely calendar value)	ROM check phase ROM check SUM area phase ROM check phase ROM chec	4. Call the RAM check start process 5. Perform the following processess 6 to 7 for the number of times that the used RAM area can be checked 3 times or more. 6. Call the RAM check process 7. If the result of the RAM check process is success or failure, exit the loop process of process 5. 8. If the result of the RAM check process is unsuccessful, the OUTPUT value will be expected by the result of the RAM check process is unsuccessful, the OUTPUT value will be leaved by the result of the RAM check process is unsuccessful, the OUTPUT value will be 2. Return of If the ROM check phase is not finished. 2. Return of If the ROM check phase is not finished. 3. Return of If the ROM check phase is not finished. 4. Return of If the ROM check phase is not finished. 4. When the ROM check phase is not finished, carry out the following. 4. When the ROM check phase is not finished, carry out the following. 5. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase is starter, initialize the ROM check phase is not finished, carry out the following. 6. Calculate the SUM value for the area and add ROM check SUM area phase. 6. ROM check when the SUM area phase is not finished. 6. Calculate the SUM value for the area and add ROM check SUM area phase. 7. Loal ROM check start processing. 7. Left of ROM check phase is a result of the ROM check phase is finished. 8. ROM check when the SUM area phase. 8. ROM check hinteries SUM area phase. 9. Rom check interior success of the ROM check phase is finished. 9. Linitiatize the OUTPUT value with success 9. Soph the RAM check start process 9. Soph the RAM check start process 9. Linitiatize the ROM check phase is carried to the Rom check process of failure, exit the loop process of process of the RAM check process is success or failure, exit the loop process of process of the RAM check process is not finished, carry out the following. 9. Left the RAM check phase is completed, the submission process of process of the RAM check phase is started.	ROM check phase ROM check SUM area phase ROM check SUM area phase SUM value ROM abnormality flag  None ROM check phase ROM check phase ROM check sum area phase Successful check  Base SUM value  Result of calculation of SUM value of ROM. ROM check phase ROM check phase ROM check result  ROM check phase Result of FAIL check  Backup battery fault flag  CLOCK abnormality flag  Date and time check result

Continue						
Management   Man	req[3-2-3-1]	Circuit voltage error flag ON processing	Perform circuit voltage error flag ON processing	ON/OFF flag	When the ON/OFF flag is OFF, the circuit voltage error flag is turned off.     When the ON/OFF flag is ON, the circuit voltage error flag is turned on and	Circuit voltage error flag
Marie		Processing every 250msec for circuit	Processing every 250msec for circuit reference	None	Get the circuit voltage error flag.	None
March   Marc	req[3-2-3-2]		voltage control		If the circuit voltage error flag is abnormal, set the circuit voltage error.	
Column		HCV voltage diagnosis invalid flag	Perform HCV voltage diagnosis invalid flag	None	Assign the initial value to the HCV voltage diagnosis invalid flag.	HCV voltage diagnosis invalid flag
Auto-principal   Security   Sec	req[3-2-3-3]		-			
\$1	req[3-2-3-4]		Perform HCV voltage diagnosis invalid flag setting processing	None	Assign invalid to the HCV voltage diagnosis invalid flag.	HCV voltage diagnosis invalid flag
\$1		Circuit voltage diagnosis processing	Perform circuit voltage diagnosis processing	None	Perform the following processing when the 24bitA/D initial AD acquisition flag is OFF.	Circuit voltage abnormal flag
March   Marc	rea[3-2-3-5]				<ol><li>Get the A/D value of each circuit voltage (SV, MV, ECV1, ECV2, ECV3, HCV, PZF).</li></ol>	
March   Marc					range, set an abnormal flag. However, if the HCV voltage diagnosis invalid flag is valid, the voltage diagnosis is not performed.	
March   Control   Contro		Circuit voltage error setting processing	Perform circuit voltage error setting processing	None	Set the circuit voltage error flag.	Circuit voltage abnormal flag
Commonweight   Comm	req[3-2-3-6]					
Section   Company   Comp	req[3-2-4-1]	Check thermistor fault every 1 sec	Perform thermistor fault check every 1 sec	None		None
March   Marc	rea[3-2-4-2]		Perform sensor circuit error flag setting processing	ON/OFF setting flag		sensor circuit fault flag
West		-	Perform a thermister error flag setting process	ON/OFF cetting flog	and the error code substitution process is called.	Thermieter error flog
Company   Comp	req[3-2-4-3]		retions a treasurator end may setting process	ON OFF Setting may	<ol><li>When the ON/OFF setting flag is ON, the thermistor abnormality flag is turned on</li></ol>	Thermstor end hag
Work of the control o	req[3-2-4-4]				Return sensor MCU status flag.	
April	req[3-2-4-5]	sensor of RL78	sensor of RL78	RL78 temperature sensor A/D value		Error check result
Authority of selection of selec	req[3-2-4-6]			None	Turnon self-diagnosis permission flag.	Self-diagnosis permission flag
March   Marc	req[3-2-5-1]	Sensor fault check every 1 sec	Perform sensor fault check every 1 sec	Type of gas measured by the sensor		None
April			Perform substitution of calibration system error flag		For each case of fault contents AIR calibration, SPAN calibration, BUMP,	Sensor status information
Processory   Pro	req[3-2-5-2]	endrinag		Failure content	<ol><li>When the ON/OFF flag is OFF, the calibration abnormality flag is turned off.</li></ol>	
Security of the property of th					<ol><li>If the sensor is valid and there is no sensor trouble, carry out the following.</li></ol>	
Application   Company of the compa		Substitution of sensor fault flag	Substitute the sensor fault flag		If the sensor is valid and there is no sensor trouble, carry out the following.	Sensor status information
Fuebrace and any and suppose of Propose Laurench and adjaces primary by the Committee of th	req[3-2-5-3]			Type of gas measured by the sensor	<ol><li>Otherwise, set the initial sensor error to the sensor status.</li></ol>	
protection processory.  When the processory of the processory of the processory of the processor of the proc	ree[2 2 5 42	Flammable sensor self-diagnosis	Perform flammable sensor self-diagnosis permission			Flammable sensor self-diagnosis
March   Property   P	req[3-2-5-4]	permission processing	processing			permission flag
1			normano sensor disconnection delection	Flammable sensor self-diagnosis permission	2 to 3 are executed.	and an addition to built
A contract of processing and proce	req[3-2-5-5]				3. When the flammable sensor A/D value is less than or equal to the check threshold value,	
Security of the control of the contr		0	Defendance FAIR Comments	T	Returns sensor disconnection detection result.	Occurred to the control of the contr
Search of the same	req[3-2-5-6]	Sensor FAIL confirmation processing	Perrorm sensor FAIL confirmation processing		If the sensor is valid, carry out the following.	Sensor FAIL check result
Market and Ambroaders  When the following the common section of the common processing of the com					Perform the following for all sensors.	Results of all sensor initial abnormality check
Miles and controlled	req[3-2-5-7]			Sensor status information Device status information	<ol><li>If the device status is abnormal on the sensor circuit, return off.</li></ol>	
## And the contraction of the co	rea[3-2-5-8]		Perform initial sensor abnormality confirmation processing	Type of gas measured by the sensor Sensor status information	<ol> <li>When the equipment status is abnormal sensor circuit, ON is returned.</li> </ol>	Initial sensor error check result
weareston closes in programs of the control of the company of the control of the			-	Device status information		EC connection checking flog
Economican coasts  Economican co	req[3-2-6-1]	connection check in progress flag	check in progress flag			
decident of the control contro	req[3-2-6-2]	EC connection check	EC connection check			
### Age of the Connection character plants of the Connection conduction character plants of the Connection character plan					is added	
All Excorrection checks.  All Excorrection c	(2 2 6 2)			count	turned off and the EC connection check calculation enabling flag is turned on.	
## April 1 Agriculture from the control of the cont	req[3-2-6-3]				<ol> <li>When EC connection checking flag starts pulse operation, call EC connection checking port ON processing.</li> </ol>	count
## Comment in description ## Comment in desc					<ol> <li>If the concentration calculation buffer update halt count is non-0, the concentration calculation buffer update stop count is subtracted.</li> </ol>	
We construction disclanation in advantages in accordance of the control of the co	roo[2-2-6-4]				1. If the concentration calculation buffer update stop count is non-0 and the sensor check	Stop flag
The Commention check before  AD visible in the Commention check before  AD after processing of EC connection checking lay  Application of the Commention checking lay  Application checking lay  Application of the Commention checking lay  Application checking	104[0 2 0 4]	for concentration calculation	calculation is acquired	count		EC acceptation about hydrox
Set previously of EC connection checking flag  Committed michanics fla	req[3-2-6-5]		check	A/D value		EG connection crieck buildi
emp3-4-64   Connection data. Contraction data. C		0	D. (	EC connection checking flag		FO
The internal AC calculation register AC calculation re					the H2S/CO flag.	Concentration calculation buffer update
Observed AD discussions   Observed AD discussions   Observed AD discussions processing of EC correction check before \$2.00 correction check on performance of EC correction check before \$2.00 correction check on performance of EC correction check on performance on the EC correction check	req[3-2-6-6]				<ol><li>Set buffer update update stop count for concentration calculation.</li></ol>	stop count
A Commence value.  A Commence va		Differential A/D calculation		EC connection check calculation enabling flag	1. When the EC connection check calculation permission flag is ON, execute the following.	EC connection check A/D difference value
Court for Art During to SEC   Connection rheads   Court for EC court for E	req[3-2-6-7]	processing of EC connection check	connection check is performed	EC connection check buffer	A/D difference value.	EC connection check calculation permission
Service contents where the connection check port of the target service.    See the CNOCFF ling to the connection check port of the target service.		Clear the A/D buffer for EC	Clear the A/D buffer for EC connection check	Object sensor		EC connection check buffer
- Commercian changed PAM data of the processing of the following processing of the fol	1eq[3-2-0-0]	connection check				
Marketister processing   Initialization processing   Class AD   Comment   Acquired PAR Abstract Reg & EC correction   Acquired PAR Abstract Reg & EC correct Correct Reg & EC correct Corr				ON/OFF flag		
closek AD closek AD closek AD closek AD closek AD close search leads that processin places from the factor of each clasmal and processing of Ec connection check start process in check start processing of EC connection check start processing of EC connection check start process in check start processing of EC connection check start processing of EC connection check start process in check start processing of EC connection check start processing	req[3-2-6-10]	initialization processing	initializationprocessing			
to gis 2-6-13    Second pages, the connection check flag - ON and fine conet flag - ON and fine	1			EC connection check execution flag	For flammables, turn off the flaq.	Hag for fixation
Fig. 1 min or he fig.	req[3-2-6-11]			Flag setting for fixation of each channel	<ol><li>For oxygen, if the connection check flag = ON and if the const flag = ON for fixation flag, turn on the flag.</li></ol>	
reg 3-26-13   The inference check start processing of EC connection check  Perform 10 mase interruption processing of EC connection check  Perform 10 mase interruption processing of EC connection check  Perform 10 mase interruption processing of EC connection check  Perform 10 mase interruption processing of EC connection check  Perform 10 mase interruption processing of EC connection check  Perform 10 mase interruption processing of EC connection check  Perform 10 mase interruption processing of EC connection check  Perform 15 miles are processing of EC connection check start timing count in EC sensor check AID compations start timing time sensor check start timing count in the Perform EC sensor check start timing count in the Perform EC sensor check start timing count in the Perform EC sensor check start timing count in the Perform EC sensor check start timing count in the Perform EC sensor check start timing count in the Perform EC sensor check start timing count in the Perform EC sensor check start timing count in the Perform EC sensor check start timing count in the Perform EC sensor check start processing at starting in the Perform EC sensor check start processing at starting in the Perform EC sensor check start processing at starting in the Perform EC sensor check start processing at starting in the Perform EC sensor check start processing in pr					<ol> <li>For other gases, if the connection check flag = ON and if the const flag = ON for fixation flag, turn on the flag.</li> </ol>	
February 10 mase intemption processing of EC connection check   Connecticn check   Connection check   Connecticn check   Conn	req[3-2-6-12]	EC initial sensor check start processing	Perform EC initial sensor check start process	None	Set EC sensor check retry count.	EC sensor check retry count
count EC sensor check AD comparison start timing full the count is n.oh., execute EC sensor check start timing count in a start check start timing count in a start count EC sensor check start timing count in a start check start timing count in a start count in subtracted.  EC sensor check start process is start.  EC sensor check start process is called.  EC sensor check start st					If the sensor check start count is non-0, the sensor check start count is subtracted.	
FC sensor check ratry count  4. EC sensor check AD comparison start timing When the count is 1.1 calls the AD check result is an error, subtract the retry count.  5. If the AD check result is an error, subtract the retry count.  6. If the AD check result is an error, subtract the retry count.  6. If the AD check result is an error, subtract the retry count.  6. If the AD check result is an error, subtract the retry count.  6. If the AD check result is an error, subtract the retry count.  6. If the AD check result is an error, subtract the retry count is set.  6. If the AD check result is an error, subtract the retry count is set.  6. If the AD check result is an error, subtract the retry count is set.  6. If the AD check result is an error, subtract the retry count is set.  6. If the AD check result is an error, subtract the retry count is set.  6. If the AD check result is an error, subtract the retry count is set.  6. If the AD check result is an error, subtract the retry count is set.  6. If the AD check result is an error, subtract the retry count is set.  6. If the AD check result is an error, subtract the retry count is set.  6. If the ED censor check AD comparison start timing count is count is set.  6. If the Sensor check start timing count is one in progress, is called.  7. If the ED censor check start process is called.  8. When the ED censor check start process is called.  8. When the ED censor check start process is called.  9. When the ED censor check start process is called.  9. When the ED censor check start process is called.  10. When the end check start fining count is except the check start fining count.  10. Set the sensor count is 0. ED censor check retry count is set.  10. Set the sensor check start siming count.  10. Set the sensor check start fining count.  10. Set the sensor check start fining count.  10. Set the sensor check start fining count.  10.		S. 20 CONTROLION CHECK	CONTROL OF THE CONTRO	count	3. EC sensor check A/D comparison start timing If the count is non-0, execute	count
S. If the A/D Check result is an error, subtract the retry count.	roof2 2 6 401				EC sensor check A/D comparison start timing When the count is 1. it calls	
7. When the retry court is other than 0, the EC sensor check start start stiming count is set to 0.  8. EC sensor check AD comparison start stiming count is non-0, the EC sensor check start timing count.  1. If the EC sensor check start timing count is non-0, the EC sensor check start start stiming count is non-0, the EC sensor check start start stiming count is non-0, the EC sensor check start s	18q[3-2-6-13]				<ol><li>If the A/D check result is an error, subtract the retry count.</li></ol>	
sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check   Perform 1 sec interruption processing of EC connection check start process of EC censor check start process is called.   Perform 1 sec interruption processing of EC censor check AD confirmation processing of EC sensor check AD confirmation processing of EC sensor check AD confirmation processing of Perform EC sensor check AD confirmation processing of Perform EC sensor check start process of EC sensor check start process of EC sensor check start process of EC sensor check start flag of EC sensor check start					<ol><li>When the retry count is other than 0, the EC sensor check start start timing count is</li></ol>	
EC connection check   EC sensor check start process is called.   S. When EC sensor check start timing count is 0 and gas alarm is not in progress, EC sensor check start process is called.   S. When the EC sensor check start timing count is 0. BC sensor check start timing count.   Count for sensor check start process is called.   S. When the EC sensor check start timing count.   Count for sensor check start process is called.   S. When the EC sensor check start timing count.   Count for sensor check start timing count.   S. Sensor check start timing count.   S. Sensor check start timing count.   I. If the target sensor is valid and the sensor is not abnormal, carry out the following.   Perform EC sensor check start process in processing   Perform EC sensor check start process   Check sensor call the sensor is not abnormal, carry out the following.   S. Sensor check start flag of EC sensor start timing count.   S. Sensor check start flag of EC sensor start timing count.   Count for sensor check start flag of EC sensor check start flag of EC sensor start flag					EC sensor check A/D comparison start timing count .	
EC sensor check start process is called.	1				count is subtracted.	
4. Set EC sensor check start process at start, Perform EC sensor check start processing at startup, None  1. Set the sensor check start utning count.  Count for sensor check start processing processing  req[3-2-6-17]  req[3-2-6-18]  cC sensor check AD confirmation processing  req[3-2-6-18]  req[3-2-6-18]  req[3-2-6-19]  Acquire EC connection check start processing  Perform EC sensor check start processing  Sensor cutput  Sensor cutput  Type of gas measured by the sensor sensor sensor is not abnormal, carry out the following. 2. If the sensor output is lower than the threshold, return error flag.  Sensor check start flag of EC sensor. 2. Check EC sensor check start flag of EC sensor. 2. Check EC sensor set AD comparison start timing count.  count  req[3-2-6-18]  Acquire EC connection check start flag settor be EC connection check start flag settor processing processing processing processing Perform low flow rate flag setting processing  Check start flag  1. When the ONOFF flag is ON, the battery voltage abnormality flag is turned off.  2. When the ONOFF flag is OFF, the low flow rate flag is turned off.  2. When the ONOFF flag is ON, the pump error flag is turned off.  2. When the ONOFF flag is ON, the pump error flag is turned off.  2. When the ONOFF flag is ON, the pump error flag is turned off.  2. When the ONOFF flag is ON, the pump error flag is turned off.  2. When the ONOFF flag is ON, the pump error f	req[3-2-6-14]				EC sensor check start process is called.	
req[3-2-6-15] EC sensor check start processing processing startup perform EC sensor check start processing at startup processing sensor start infinite sensor check start processing proces					When the EC sensor check retry count is 0, EC sensor check retry count is set.     Set EC sensor check start timing count.	
req[3-2-6-16]    For the content of	req[3-2-6-15]				Set the sensor check start count.	
Set and sealing information    Set and sealing information   Set a	req[3-2-6-16]			Type of gas measured by the sensor		Senaul check error flag
Count   Coun		50	Defense FO	Sensor output		50
reg[3-2-6-18] explained from processing proc	req[3-2-6-17]		-		Check EC sensor Set A/D comparison start timing count.	count
reg[3-2-6-19] Acquire EC connection check start flag   Gas type flag   1. Returns the EC connection check start flag according to the gas type flag   EC connection check start flag   EC connection c	req[3-2-6-18]	substitution process	processing		·	None
setting processing pro		Acquire EC connection check start flag	Acquire EC connection check start flag	Gas type flag		
rec[3-2-7-1] ON processing processing processing processing 2. When the ONOFF flag is ON, the battery voltage abnormality flag is turned on and the error code substitution process is called.  Low flow rate flag ON processing Perform low flow rate flag setting processing 2. When the ONOFF flag is OFF, the low flow rate flag is turned off. 2. When the ONOFF flag is OFF, the low flow rate flag is turned off. 2. When the ONOFF flag is OFF, the pump error flag is turned on and the error code substitution process is called.  Pump error flag ON processing Perform pump error flag setting processing ONOFF flag ON flag is turned on and the error code substitution process is called.  Pump error flag is Unred off. 2. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag is Unred off. 2. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag 4. Acquisition process of SDM serial substitution process is called.  Pump error flag 5. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag 6. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag 6. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag 6. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag 6. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag 6. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag 6. When the ONOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Pump error flag 6. When the ONOFF flag is ON, the pump error flag is tu	req[3-2-6-20]	setting processing	processing	Check start flag	the gas type flag.	
Low flow rate flag ON processing   Perform low flow rate flag setting processing   ONOFF flag   1. When the ONOFF flag is OFF, the low flow rate flag is turned off.   2. When the ONOFF flag is OFF, the low flow rate flag is turned off.   2. When the ONOFF flag is OFF, the low flow rate flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   Pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   Pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is turned off.   2. When the ONOFF flag is OFF, the pump error flag is OFF, the pump error flag is United off.   2. When the ONOFF flag is OFF, the pump error flag is United off.   2. When the ONOFF flag is OFF, the pump error flag is United off.   2. When the ONOFF flag is OFF, the pump error flag is United off.   2. When the ONOFF flag is OFF, the pump error flag is United off.   2. When the ONOFF flag is OFF, the pump error flag is United off.   2. When t	req[3-2-7-1]			UN/OFF flag	<ol><li>When the ON/OFF flag is ON, the battery voltage abnormality flag is turned on and</li></ol>	Battery voltage abnormality flag
2. When the ONOFF flag is ON, the low flow rate flag is turned on and the error code substitution process is called.		Low flow rate flag ON processing	Perform low flow rate flag setting processing	ON/OFF flag	When the ON/OFF flag is OFF, the low flow rate flag is turned off.	Low flow rate flag
Pump error flag ON processing Perform pump error flag setting processing ONOFF flag 1. When the ONOFF flag is OFF, the pump error flag is turned off.  2. When the ONOFF flag is OFF, the pump error flag is turned off.  2. When the ONOFF flag is OFF, the pump error flag is turned off.  2. When the ONOFF flag is OFF, the pump error flag is turned off.  2. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  3. When the ONOFF flag is OFF, the pump error flag is turned off.  4. When the ONOFF flag is OFF, the pump error flag is turned off.  4. When the ONOFF flag is OFF, the pump error flag is turned off.  5. When the ONOFF flag is OFF, the pump error flag is turned off.  5. When the ONOFF flag is OFF, the pump error flag is turned off.  6. When the ONOFF flag is OFF, the pump error flag is turned off.  7. Return BUMP result concentration.  8. BUMP result concentration adjusted for BUMP perior to set of SDM serial number.  9. None  9. The pump error flag is turned off.  9. When the ONOFF flag is OFF, the pump error flag is turned off.  9. The pump error flag		l			the error code substitution process is called.	
the error code substitution process is called.  BUMP result concentration acquisition Acquire BUMP result concentration  Gas number  1. Return BUMP result concentration  BUMP result concentration  Perform acquisition process of SDM serial used for BUMP  BUMP  BUMP  Perform acquisition process of SDM serial used for BUMP  BUMP  BUMP  Perform acquisition process of SDM serial used for BUMP  BUMP  Perform acquisition process of SDM serial number.  None  1. Create character data corresponding to SDM serial number.  None  1. Create character data corresponding to SDM serial number.  None	req[3-2-9-1]			ON/OFF floa		Pump error flag
reg[4-1-1-2] Acquisition process of SDM serial used for BUMP BUMP Perform acquisition process of SDM serial used for BUMP BUMP BUMP Perform setting process of SDM serial used for BUMP BUMP Setting processing of SDM serial process of SDM serial used for BUMP Pointer to set 1. Create character data corresponding to SDM serial number. None		Pump error flag ON processing	Perform pump error flag setting processing	OWOFF liag	<ol><li>When the ON/OFF flag is ON, the pump error flag is turned on and</li></ol>	
Used in Driver   Driver   Use   Use	req[3-2-10-1]				<ol><li>When the ON/OFF flag is ON, the pump error flag is turned on and the error code substitution process is called.</li></ol>	BLIMP result concentration
used for BUMP	req[3-2-10-1]	BUMP result concentration acquisition Acquisition process of SDM serial	Acquire BUMP result concentration Perform acquisition process of SDM serial used for	Gas number	When the ON/OFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  Return BUMP result concentration.	
	req[3-2-10-1] req[4-1-1-1] req[4-1-1-2]	BUMP result concentration acquisition Acquisition process of SDM serial used for BUMP Setting processing of SDM serial	Acquire BUMP result concentration Perform acquisition process of SDM serial used for BUMP	Gas number Pointer to set	2. When the ONIOFF flag is ON, the pump error flag is turned on and the error code substitution process is called.  1. Return BUMP result concentration.  1. Create character data corresponding to SDM serial number.	None

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req[4-1-1-4]	BUMP alarm necessary judgment processing	Determine whether BUMP alarm is necessary	Address of current gas data Fault status Calibration ON/OFF after bump fault	When the bumpable gas is used and the BUMP test is necessary, the judgment result is turned on.     When bumpable gas is used and span calibration is necessary, turn the judgment result ON.     Returns the judgment result.	judgment result
req[4-1-1-5]	Confirm whether BUMP gas setting can be selected (for ZIPC)	Confirm whether BUMP gas setting can be selected	None	Return gas or confirmation process that can be displayed.	judgment result
req[4-1-1-6]	BUMP test result deend processing	Perform BUMP test result deend processing	None	When it is a gas that can be BUMPed, a BUMP test OK / NG deend process is performed.     Record the result of BUMP execution.     Record BUMP of logger function.	None
req[4-1-1-7]	BUMP test time end confirmation processing	Confirm whether BUMP test time is over	Bump test count timer	1. If the bump test count timer is not 0, tum on the result. 2. When the bump test count timer is 0, turn off the result. 3. Return results.	result
req[4-1-1-8]	BUMP test gas concentration display processing	Perform BUMP test gas concentration display processing	Item Number Gas setting Proof group	In case of the ESCAPE display, "ESCAPE" is displayed.     If it is one of the AUTO calibration groups, character data corresponding to the AUTO calibration group is created.	None
req[4-1-1-9]	BUMP result display processing	Perform BUMP result display processing	Item Number Fault status Calibration ON/OFF after bump fault	Create character data corresponding to BUMP result.	Concentration character
req[4-1-1-10]	BUMP test in progress display processing	Perform BUMP test in progress display processing	Fault status	Treate character data corresponding to BUMP test.     Convert the corresponding numerical value to character data during BUMP test.     Flash the time.	Concentration character Blinking time
req[4-1-1-11]	BUMP gas setting selected Group		None	Return item number.	Item Number
req[4-1-1-12]	acquisition processing BUMP test time acquisition processing	selected group Acquire the BUMP test time	Bump time seconds	Calculate bump test count timer from bump time seconds.	Bump test count timer
164[4-1-1-12]	BUMP test start processing	Perform BUMP test start processing	Gas setting	1. If the gas setting is valid and the group being selected is the same as the group selected,	Item Number
req[4-1-1-13]			Proof group	turn the result on.  2. Break when the result is ON.  3. Set item number.  4. Turnoff up / down numerical value setting.  5. Set BUMP result concentration to OFF concentration.	Up / down change of numerical value BUMP result concentration
req[4-1-1-14]		Perform BUMP gas setting selection processing	Item Number Up / down change of numerical value	If the up / down numeric value change setting is OFF and not the ESCAPE display, select the group.     If there is a setting gas in the group, set the BUMP gas.     When numerical up / down change setting is ON, set it to ESCAPE.	Item Number
req[4-1-1-15]	BUMP gas setting selection next item selection processing	Perform BUMP gas setting selection next item selection processing	Item Number	If the BUMP gas setting selection is not the ESCAPE display, select the group.     If there is a setting gas in the group, set the BUMP gas.	Item Number
req[4-1-1-16]	BUMP result display selection processing	Perform BUMP result display selection processing	Calibration ON/OFF after bump fault Item Number	When BUMP calibration is necessary and BUMP calibration is ON, the flag is turned on.     When BUMP calibration is necessary and BUMP calibration is OFF, the flag is turned off.	Item Number
req[4-1-1-17]	BUMP test Executable gas or confirmation processing	BUMP test Performs confirmation processing for gas that can be executed	Gas setting Calibration concentration Fault status Proof group	When all of the following conditions 2 to 5 are satisfied, the execution result is set to ON.     Gas setting is valid.     Calibration concentration is ON.     The sensor is normal.	Executability result
	BLIMP test OK/NG deend	Perform BLIMP test OK / NG deend	Proof group  Gas number	The selected group matches the set group.     Return execution result.	judament regult
	BUMP test OK/NG deend processing	Periorm BUMP test UK / NG deend	Calibration concentration	In the case of O2, the following processes 2 to 4 are performed.     Calculate the difference in calibration concentration from 20. 9.	judgment result
req[4-1-1-18]			Bump tolerance Concentration value Minus flag	3. Calculate acceptable concentration. 4. Substitute the calibration concentration. 5. When the concentration value is lower, and the concentration is positive and equal to or higher than the allowable lower limit value, OK is returned. 6. If the concentration value is positive, and the concentration is positive and equal to or higher than the allowable lower limit value, OK is returned. 7. If the concentration value is higher than the allowable lower limit value and the concentration is negative, OK is returned. 7. In the case of not being oxyger, calculate the allowable concentration and substitute the calibration concentration than the allowable upon limit value. 8. When concentration value is positive, and the concentration is positive and equal to or higher than the allowable upon limit value, of the concentration value is positive, and the concentration is positive and equal to or higher than the allowable upon limit value and the concentration value is in higher than the allowable upon limit value and the concentration value is in the net allowable upon limit value and the concentration value is in the net allowable upon limit value and	
req[4-1-1-19]	BUMP execution result record processing	Perform Perform recording processing of BUMP execution result	Gas number judgment result Concentration value Minus flag Over flag Minus over flag	the concentration is negative, OK is returned.  1. BUMP result concentration, BUMP result minus flag, BUMP result over flag, BUMP result minus over flag are acquired.  2. BUMP result minus over flag are acquired.  3. Substitute current time.  4. Substitute concentration at BUMP execution.  5. Turnoff the BUMP flaut flag.  6. Acquire the SDM serial used for BUMP.  7. Turnon FRAM write start flag.  8. If BUMP flaut flag.	BUMP result concentration BUMP result minus flag BUMP result minus flag BUMP result minus over flag BUMP result minus over flag
	BUMP flammable limit display	BUMP Determine whether flammable restriction	Calibration ON/OFF after bump fault	If BUMP fails, set the BUMP fault flag to ON.     When all of the following conditions 2 to 6 are satisfied, the judgment result is turned on.	Judgment result
req[4-1-2-1]	necessity judgment processing	indication is necessary	Fault status Gas setting Flammable sensor mode	2. It is a gas that can be bumped. 3. Calibration ONOFF setting after bump fault is ON. 4. Bump calibration is successful. 5. The combustible gas setting is CH4 or i-C4H10. 6. In flammable limit. 7. Returns the judgment result.	Soughten recun
req[4-1-2-2]	BUMP calibration processing for communication	Perform BUMP calibration processing for communication	Gas setting Calibration concentration Fault status	When all of the following conditions 2-4 are satisfied, the judgment of the BUMP test and the result of the BUMP execution are recorded.     Cas setting is valid.     Cas setting is valid.     Calibration concentration is ON.     The sensor is normal.	Calibration result
	Confirm necessity of BUM calibration	Confirm necessity of BUMP calibration	Fault status	Record BUMP of logger function.     When the bumpable gas is used, if the BUMP test is necessary, turn on the confirmation.	Check result
req[4-1-2-3]	BUMP calibration setting	Confirm processing of BUMP calibration presence /	Calibration ON/OFF after bump fault	result.  2. Return the confirmation result.  1. When the calibration ON/OFF setting after the bump fault is ON, the confirmation result.	Check result
req[4-1-2-4]	confirmation processing	absence setting	·	is turned on.  2. When the calibration ON/OFF setting after bump fault is OFF, turn off the confirmation result.  3. Return the confirmation result.	
req[4-1-2-5]	BUMP calibration time end confirmation processing	Perform BUMP calibration time end confirmation processing	Bump calibration count timer	When the bump calibration count timer is not 0, turn on the confirmation result.     When the bump calibration count timer is 0, turn off the confirmation result.     Return the confirmation result.	Check result
req[4-1-2-6]	BUMP calibration execution display processing	Perform BUMP calibration execution display processing	None	Create character data corresponding to BUMP proofreading execution.	None
req[4-1-2-7]	BUMP calibration start processing BUMP calibration time acquisition	Perform BUMP calibration start processing Acquire the BUMP calibration time	None Calibration time after bump fault seconds	Start BUMP calibration.     Calculate the bump calibration count timer from calibration time seconds after bump	None  Bump calibration count timer
req[4-1-2-8]	BUMP calibration result recording processing	Perform BUMP calibration result recording processing	Bump time seconds  Gas number Concentration value Minus flag Over flag	Calculate the Cutify cardiorator count mine from cantration mine seconds are bump fast and bump inthe seconds.      The gas number is added to the address of the current gas data.      Subject the concentration.      Subject the concentration.      Subject the cutification of the current gas.      Subject the current gas.      Subject the cutification of the cutification of the current gas.      Subject to the cutification of the cutification of the current gas.      Subject to the cutification of the cutification	BUMP result concentration BUMP result minus flag BUMP result over flag BUMP result minus over flag
			Minus over flag	BUMP result minus over flag.	
req[4-1-2-10]	BUMP/CAL success confirmation process after BUMP	Perform BUMP/CAL success confirmation process after BUMP	Bump permission flag Post-bump calibration settings Fault status	<ol> <li>A failure flag is set when a bumpable gas and a BUMP failed gas fails calibration. The failure flag is also set when calibration after BUMP failure is OFF.</li> </ol>	BUMP/CAL success flag
req[4-1-2-11]	Initial possible confirmation processing after BUMP/CAL success	Perform initial possible confirmation processing after BUMP/CAL success	BUMP/CAL flag	1. Assign OK to the initial possible flag.     2. If the following conditions are met, NG is substituted for the initial possible flag.     cas setting is ON, calibration concentration is other than OFF and cylinder setting is other     than A     3. If the result of Z is not NG, if the initial setting after successful bump or the initial setting	Initial possible flag
req[4-1-2-12]	BUMP calibration execution start processing	Perform BUMP calibration execution start processing	Group number Gas setting Proof group Fault status AUTO calibration end flag	S. The freach of 2 is not Not, the mainst setting also successful only of the mains setting after succeeding the mainstance of the free free free free free free free fr	AUTO calibration running flag AUTO calibration end flag
req[4-1-3-1]	BUMP condition BUMP calibration	BUMP condition Display processing of BUMP	None	Create ON/OFF setting menu display.	None
	ON/OFF setting display processing BUMP condition BUMP calibration	calibration ON/OFF setting is performed  BUMP condition Performs ending processing of	Item Number	Enter item number into BUMP condition BUMP calibration ON / OFF setting.	Calibration ON/OFF after bump fault
req[4-1-3-2]	ON/OFF setting end processing	BUMP calibration ON/OFF setting		Turnon FRAM write start flag.	
req[4-1-3-3] req[4-1-3-4]	BUMP condition BUMP calibration ON/OFF setting start processing BUMP condition BUMP calibration ON/OFF setting display item selection	BUMP condition Start processing of BUMP calibration ON/OFF setting BUMP condition BUMP calibration ON/OFF setting Display item selection process	Calibration ON/OFF after bump fault None	BUMP condition BUMP calibration ON/OFF setting in item number.      Put ON/OFF replacement processing in item number.	Item Number Item Number
req[4-1-4-1]	processing BUMP condition BUMP calibration time setting display processing	BUMP condition Display process of setting BUMP callbration time	None	BUMP condition Create character data corresponding to BUMP calibration time setting.     BUMP condition Convert BUMP calibration time setting numerical value to character data.	Maintenance character flashing
req[4-1-4-2]	BUMP condition BUMP threshold setting display processing	Display processing of BUMP condition BUMP threshold setting is performed	None	BUMP condition Creates character data corresponding to BUMP threshold setting.     BUMP condition Convert BUMP threshold value setting to character data.	Maintenance character flashing
req[4-1-4-3]	BUMP condition BUMP time setting display processing	Display process of BUMP condition BUMP time setting	None	BUMP condition Creates character data corresponding to BUMP time setting.     BUMP condition Convert BUMP time setting numerical value to character data.	Maintenance character flashing
req[4-1-4-3]	BUMP condition BUMP calibration time setting end processing	BUMP condition Performs BUMP calibration time setting end processing	Item Number	Down-condition Convert BOMP time setting numerical value to character data.      Put bump tolerance in item number.     Turnon FRAM write start flag.	Calibration time after bump fault seconds
	, ,	, J	1		

req[4-1-4-5]	BUMP condition BUMP threshold setting end processing	BUMP condition Performs ending process of BUMP threshold setting	Item Number	Insert calibration time seconds after bump fault into item number.     Turnon FRAM write start flag.	Bump tolerance
req[4-1-4-6]	BUMP condition BUMP time setting end processing	BUMP condition Performs end processing of BUMP time setting	Item Number	Put bump time seconds in item number.     Turnon FRAM write start flag.	Bump time seconds
req[4-1-4-7]	BUMP condition BUMP calibration time setting start processing	BUMP condition Start processing of setting BUMP calibration time	Calibration time after bump fault seconds	Insert calibration time seconds after bump fault into item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[4-1-4-8]	BUMP condition BUMP threshold setting start processing	BUMP condition Start processing of BUMP threshold setting	Bump tolerance	Put bump tolerance in item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[4-1-4-9]	BUMP condition setting mode menu start processing	Start processing of the BUMP condition setting mode menu	None	I. Initialize item number.      Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[4-1-4-10]	BUMP condition BUMP time setting start processing	Start processing of BUMP condition BUMP time setting	Bump time seconds	Put bump time seconds in item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[4-1-4-11]	BUMP condition BUMP calibration time setting display item selection processing	BUMP condition BUMP calibration time setting display item selection process	BUMP Calibration time setting possible value	When BUMP calibration time settable value matches item number, put BUMP calibration time settable value in item number in item number.	Item Number
req[4-1-4-12]	BUMP condition BUMP threshold setting display item selection processing	BUMP condition BUMP threshold setting display item selection processing is performed	BUMP threshold setting possible value Up / down change of numerical value	If the BUMP threshold setting possible value matches the item number, put the BUMP threshold setting possible value in the item number in the item number.	Item Number
req[4-1-4-13]	BUMP condition setting mode menu item selection processing	Perform item selection processing of BUMP condition setting mode menu	None	Insert numerical increase / decrease processing into BUMP condition setting mode menu item.	Item Number
req[4-1-4-14]	BUMP condition BUMP time setting display item selection processing	BUMP condition BUMP time setting Display item selection process	BUMP time configurable value Up / down change of numerical value	If the BUMP time settable value matches the item number, put the BUMP time settable value in the item number in the item number.	Item Number
req[4-1-4-15]	BUMP condition setting mode menu display processing	Display processing of the BUMP condition setting mode menu is performed	Item Number	BUMP condition setting mode Create character data corresponding to the menu.	Maintenance letter
req[4-1-5-1]	BUMP error flag OFF	turn off the BUMP error flag	None	Substitute the calibration system error flag.	None
req[4-2-1-1]	Alarm test ON/OFF confirmation processing of SDMor manufacturing facility	Perform alarm test ON/OFF check process of SDMor manufacturing facility	SDM alarm test count	If SDM alarm test count is 0, it returns OFF.     If the SDM alarm test count is not 0, return the SDM alarm test type.	judgment result
req[4-2-1-2]	Alarm test reset	Perform alarm test reset	Buzzer type ON/OFF setting flag	Set alarm point display on SDM alarm test type.	None
req[4-2-1-3]	Alarm test ON/OFF processing of SDM or manufacturing facility	Perform alarm test ON/OFF processing of SDM or manufacturing facility	Buzzer ON/OFF setting flag Vibration motor ON/OFF setting flag LED ON/OFF setting flag	1. Control ONOFF setting of buzzer. 2. Control ONOFF setting of wheaton motor. 3. Control ONOFF setting of LED. 4. When the buzzer ONOFF setting flag, the vibration motor ONOFF setting flag, and the LED ONOFF setting flag are all OFF, the SDM alarm test count is set to 0. 5. When at least one of the buzzer ONOFF setting flag is ON, the maximum time of SDM alarm test count is placed in SDM alarm test count.	None
req[4-2-1-4]	Alarm point display alarm warning stop processing	Stop processing of alarm announcement	ON/OFF setting flag	When the ON/OFF setting flag is OFF, the alarm is stopped.     When the ON/OFF setting flag is OFF, an alarm is issued.	None
req[4-2-1-5]	ON/OFF acquisition processing of gas test flag	Acquire ON/OFF setting of gas test flag	None	Returns the flag as to whether it is transitioning to the gas test mode.	Flag indicating whether transition to gas test mode
req[4-2-1-6]	ON/OFF processing of gas test flag	Perform ON/OFF processing of gas test flag	ON/OFF setting flag	Place the ON/OFF setting flag in the flag as to whether it is shifting to the gas test mode.	Flag indicating whether transition to gas test mode
req[5-1-1-1]	Carry out air calibration	Carry out air calibration	None	Set the time buffer.     When the port is the corresponding channel, confirm the operation system event.	Argument of auto zero before start of measurement
req[5-1-1-2]	AIR calibration concentration display processing	Perform Perform AIR calibration concentration display processing	None	Create a concentration display for maintenance.     Create display characters for AIR calibration.	None
req[5-1-1-3]	AIR calibration success display processing	Perform AIR calibration success display processing	None	Create character data corresponding to successful AIR proofreading.	None
req[5-1-1-4]	AIR calibration HOLD AIR display processing	Perform AIR calibration HOLD AIR display processing	None	Create character data corresponding to AIR calibration HOLD AIR.	None
req[5-1-1-5]	AIR calibration RELEASE display processing	Perform AIR calibration RELEASE display processing	None	Create character data corresponding to AIR calibration RELEASE.	None

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req[5-1-1-6]	IEC sensor AIR calibration processing	Perform EC sensor AIR calibration processing	Gas channel Maximum value of AIR coefficient Minimum value of AIR coefficient Temperature value	1. Acquire the AID value of the sensor. 2. Correct the temperature az zero point and change to the reference temperature. 3. When the output of the current sensor is within the AIR threshold value, the following processes 4 to 7 are sexecuted. 4. Set current sensor output to AIR value. 5. Acquire temperature data at zero point calibration. 6. Reset zero tracking of EC sensor. 7. Turnon FRAM write starf flag.	Address of current gas data FRAM data address for gas data Zero coefficient Temperature data at zero point calibration Zero tracking Calibration result
				Make the calibration result OK.     Turnoff zero tracking.     Return calibration result.	
req[5-1-1-7]	Hydrogen cancellation carbon monoxide AIR calibration process	Perform hydrogen cancellation carbon monoxide AIR calibration processing	Maximum value of AIR coefficient Minimum value of AIR coefficient Temperature value	Hz Cancel Acquire the A/D value of CO and H2S.     Cornect the temperature at zero point.     If it is within the threshold of AIR calibration, carry out AIR calibration of Hzcancellation CO.     Return calibration result.	Zero coefficient Temperature data at zero point calibration Zero tracking Calibration result
req[5-1-1-8]	Oxygen AIR calibration processing	Perform oxygen AIR calibration processing	Maximum value of AIR coefficient Minimum value of AIR coefficient The A/D value of the EC sensor Temperature value	Set the address to Q2. Calculate the spain temperature compensation temperature coefficient of the current temperature.  When the current sensor output is within the AIR threshold value, AIR calibration of Q2 is performed.  4. Turnoff zero tracking.  5. Return calibration result.	Address of current gas data FRAM data address for gas data Zero coefficient Temperature data at zero point calibration Calibration result
req[5-1-1-9]	Flammable AIR calibration processing	Perform flammable AIR calibration processing	Maximum value of AIR coefficient Minimum value of AIR coefficient A/D value of NC sensor Temperature value	Set the address to NC.     Calculate the NC zero point temperature compensation coefficient.     If the output of the current sensor is within the AIR threshold, AIR calibration of flammable gas is performed.     Return calibration result.	Address of current gas data FRAM data address for gas data Zero coefficient Temperature data at zero point calibration Calibration result
req[5-1-1-10]	AIR error flag OFF processing AIR calibration processing	Perform AIR error flag OFF processing Perform AIR calibration processing	None AIR calibration running flag	Turnoff the AIR calibration abnormality flag.	None AIR calibration retry counter for NC
req[5-1-1-11]	AIR calibration processing	Perform AIR calibration processing	AIR calibration running flag AIR calibration retry flag AIR calibration retry counter for NC Delay counter for AIR calibration end Gas setting	1. When the AIR calibration executing flag is ON, AIR calibration of flammable gas, O2, H2S, CO, CO2 is performed.  2. When the AIR calibration retry flag is OFF and the delay counter for ending the AIR calibration is 0, the AIR calibration is 0 to glo function is recorded.  3. Turnoff the AIR calibration end delay counter is not 0, the AIR calibration end delay counter is ont 0, the AIR calibration end delay counter is out of the AIR calibration and delay counter is out of the AIR calibration.	AIR calibration retry counter for NC AIR calibration retry flag Delay counter for AIR calibration end AIR calibration running flag
req[5-1-1-12]	AIR calibration execution start flag acquisition processing	Acquire the AIR calibration execution start flag	None	Returns the AIR calibration executing flag.	AIR calibration running flag
req[5-1-1-13]	AIR calibration execution start processing	Perform AIR calibration execution start processing	Gas setting Fault status AIR calibration retry flag	If the gas setting is valid and the initial sensor disconnection and sensor disconnection have not occurred, turn on the AIR calibration retry flag.     Initialize counter for AIR calibration retry NC.     Set the delay counter for AIR calibration end to 3.	AIR calibration running flag AIR calibration retry flag AIR calibration retry counter for NC Delay counter for AIR calibration end
req[5-1-1-14]	AIR calibration display flag acquisition processing	Acquire the AIR calibration display flag	None	Returns the AIR calibration display flag.	AIR calibration indication flag
req[5-1-1-15]	AIR calibration display flag setting processing	Perform setting process of AIR calibration disply flag	ON/OFF setting flag	Insert the ON/OFF setting flag in the AIR calibration display flag.	AIR calibration indication flag
req[5-1-2-1]	AIR calibration fault display processing	Perform AIR calibration fault display processing	Gas setting Fault status	If the setting is ON and zero calibration error, gas name - unit is substituted.	Flashing concentration
req[5-1-2-2]	Check if there is no AIR calibration error	Confirm whether there is no abnormality in AIR calibration	Fault status	When the AIR calibration abnormality flag is ON, make the confirmation result abnormal.     Return the confirmation result.	Check result
req[5-2-2-1]	Demand zero ON/OFF setting display processing	Perform display process of demand zero ON/OFF setting	None	Create display of ON/OFF setting menu corresponding to Demand Zero ON/OFF setting.	None
req[5-2-2-2]	Demand zero ON/OFF setting end processing	Perform end processing of demand zero ON/OFF setting	Item Number	Insert item number into demand zero ON/OFF setting.     Turnon FRAM write start flag.	Demand Zero ON/OFF
req[5-2-2-3]	Demand zero ON/OFF setting start processing	Perform start processing of demand zero ON/OFF setting	Demand Zero ON/OFF	Put the demand zero ON/OFF setting in the item number.	Item Number
req[5-2-2-4]	Demand zero ON/OFF setting ON/OFF selection processing	Perform selection process of demand zero ON/OFF setting	None	Put ON/OFF replacement processing in item number.	Item Number
req[5-2-2-5]	Acquire ON/OFF setting of demand zero	Acquire ON/OFF setting of demand zero	None	Return ON/OFF setting of demand zero.	ON/OFF of demand zero
req[5-3-1-1]	Auto zero execution confirmation display	Perform confirmation display of auto zero execution	None	Create character data corresponding to auto zero execution confirmation display.	None
req[5-3-1-2]	Auto zero ON/OFF check processing	Perform ON/OFF setting confirmation processing of auto zero	None	Returning auto zero ON/OFF setting.	Auto zero ON/OFF
req[5-3-2-1]	Auto zero ON/OFF setting display processing	Perform display processing of auto zero ON/OFF setting	None	Create ON/OFF setting menu display corresponding to auto zero ON/OFF setting.	None
req[5-3-2-2]	processing	Perform end processing of the auto zero ON/OFF setting	Item Number	Insert item number into auto zero ON/OFF setting.     Turnon FRAM write start flag.	Auto zero ON/OFF
req[5-3-2-3]	Auto zero ON/OFF setting start processing	Perform start processing of auto zero ON/OFF setting	Auto zero ON/OFF	Insert auto zero ON/OFF setting in item number.	Item Number
req[5-3-2-4]	Auto zero ON/OFF setting ON/OFF selection processing	Perform selection process of auto zero ON/OFF setting	None	Put ON/OFF replacement processing in item number.	Item Number
req[5-4-1-1]	Setting before auto calibration in progress concentration display	Perform setting before auto calibration in progress concentration display	None	Set the group to be used for AUTO calibration.	None
req[5-4-1-2]	Check whether auto calibration group can be selected	Perform check whether auto calibration group can be selectedd	Gas number OFF concentration check Confirmation group number Gas setting Proof group	When the following conditions 2 to 4 are satisfied, the confirmation result is made OK.     Gas setting is effective.     The calibration group matches the confirmation group number.     The setting of the calibration concentration is not OFF_VAL.     Seturn the confirmation result.	Check result
req[5-4-1-3]	Auto calibration group selection value confirmation processing	Perform auto calibration group selection value confirmation processing	None	Return the auto calibration group selection value.	Auto calibration group selection value
req[5-4-1-4]	Confirm whether auto calibration group can be selected (for ZIPC)	Perform Confirm whether auto calibration group can be selected	None	AUTO Returns confirmation processing as to whether the calibration group can be selected.	Result of selection confirmation result
req[5-4-1-5]	Concentration display processing during auto calibration	Perform concentration display processingduring auto calibration	None	When calibration is executable, display the concentration value and gas name.     AUTO Creates character data corresponding to the calibration in progress.	None
	Auto calibration gas concentration display	Perform Auto calibration gas concentration display	Item Number Gas setting Proof group	AUTO Create character data corresponding to the calibration gas concentration.	None
req[5-4-1-6]			None	AUTO Create character data corresponding to successful proofing.	None
req[5-4-1-6]	Auto calibration success display processing	Perform Auto calibration success display processing			
	Auto calibration success display processing Auto calibration success in progress display processing	Perform Auto calibration success display processing  Auto calibration success in progress display processing	None	AUTO Creates corresponding character data while proofreading is being executed successfully.	None
req[5-4-1-7]	processing Auto calibration success in progress	Auto calibration success in progress display		AUTO Creates corresponding character data while prodreading is being executed successfully.     When calibration is executable, display the concentration value and gas name.     AUTO Create character data corresponding to gas concentration after proofreading.     Set the group to be used for AUTO calibration.	None None

req[5-4-1-11]	Auto calibration mode menu start processing	Perform auto calibration mode menu start processing	Gas settingProof group	<ol> <li>If the setting is ON and the selected group is the same as the group being selected, set the result to ON.</li> </ol>	Item Number Up / down change of numerical value
	Auto calibration group selection	Perform Auto calibration group selection processing	Item Number	Set item number.     Turnoff up / down numerical value setting.     If the up / down numeric value change setting is OFF, move the item upward.	Item Number
req[5-4-1-12]	processing Auto calibration group selection Next	Perform auto calibration group selection Next item	Item Number Up / down change of numerical value Item Number	1. If the up / down numeric value change setting is OFF, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward.  1. If the AUTO calibration group selection is greater than the ESCAPE display, set cylinder.	Item Number
req[5-4-1-13]	item selection processing  EC sensor auto calibration processing	selection processing  Perform EC sensor Auto calibration process	Gas channel	A. select the group.  1. Acquire the A/D value of the sensor.	Address of current gas data
req[5-4-1-14]	EC seriou auto Canization processing	Total Lo delado vida dimensia procedo	Calibration concentration value Full scale value Digit Direction of gas change Zero coefficient Maximum value of span coefficient Minimum span coefficient Temperature value	Correct the temporature at zero point and change to the reference temporature.     When the output of the current reasons is within the span threshold value, EC sensor AUTO calibration is executed.     Returns the judgment result.	FRAM data address for gas data Temperature data at span point calibration judgment result
req[5-4-1-15]	Hydrogen cancellation carbon monoxide auto calibration processing	Perform hydrogen cancellation carbon monoxide Auto calibration process	Calibration gas Calibration concentration value Full scale value Maximum value of span coefficient Minimum span coefficient Temperature value	1. H 2 Cancel Acquire the AD value of CO and H2S. 2. Correct the temperature at zero point: 3. Calculate the span output at the current temperature. 4. Calculate the span temperature compensation coefficient. 5. Calculate the sensitivity of the reference temperature. 6. Calculate the sensitivity of the reference temperature. 7. Calculate the sensitivity of the reference temperature. 8. When it is within the treshed of SPAN calibration, AUTO calibration of H2 cancellation CO is carried out. 7. Raturus the judgment result.	Span coefficient Temperature data at span point calibration judgment result
req[5-4-1-16]	Oxygen auto calibration processing	Perform oxygen Auto calibration process	Calibration concentration TAU value of the EC sensor Zero coefficient Full scale value Temperature value	1. Set the address to O2. 2. Calculate the difference between the zero point output and the current sensor output. 3. Calculate the span temperature compensation coefficient of the AIR point. 4. Calculate the span temperature compensation coefficient of the SPA point. 5. If the output of the current sensor is within the threshold of the zero point, AUTO califoration of O2 is performed.	Address of current gas data FRAM data address for gas data Temperature data at span point calibration judgment result
req[5-4-1-17]	Flammable auto calibration processing	Perform flammable Auto calibration process	AD value of NC sensor Zero coefficient Ppm equivalent to LEL Full scale value Digit Ppm value corresponding to LEL used for concentration calculation concentration calculation Full scale value against representative gas % LEL concentration ratio Maximum value of span coefficient Minimum span coefficient Minimum span coefficient Minimum span gas type group	Set the address to NC.     Calculate the NC zero point temperature compensation coefficient.     Calculate the NC zero point temperature compensation coefficient.     Calculate the NC span point temperature compensation coefficient.     It calculates as in No solvent gas or if either element is OK, calibration gas is solvent gas and A element is OK AUTO calibration of flammable gas is performed.     Returns the judgment result.	Address of current gas data FRAM data address for gas data Temperature data at span point calibration Flammable sensor mode Span coefficient judgment result
req[5-4-1-18]	Auto calibration execution start processing for communication command	Perform Auto calibration execution start processing for communication command	Temperature value Gas setting Calibration concentration value Fault status AUTO calibration running flag AUTO calibration end flag	Turnoff AUTO calibration in progress flag.     If the following conditions 3 to 4 are satisfied, turn on the AUTO calibration end flag and turn of the UP calibration flag.     The gas setting is valid and the calibration concentration is not OFF.     S. The gas setting is valid and the calibration concentration is not OFF.     S. AUTO Sets the calibration concentration value.     S. Set the SDM serial used for AUTO calibration.     Return the orange to use for calibration.	AUTO calibration end flag UP calibration flag AUTO calibration running flag Group to use for calibration
req[5-4-1-19]	Acquisition processing of group used for auto calibration  Acquisition processing of SDM serial	Acquire processing of group used for auto calibration  Acquire processing of SDM serial used for auto	None	Return the group to use for calibration.      Acquire the SDM serial number.	Group to use for calibration  None
req[5-4-1-20] req[5-4-1-21]	used for auto calibration Auto error flag OFF processing	calibration Perform Auto error flag OFF processing	None	Turnoff the SPAN calibration abnormality flag.	None
req[5-4-1-22]	Setting processing of group used for auto calibration Setting processing of SDM serial	Perform the group setting process used for auto calibration  Perform setting process of SDM serial used for	ON/OFF setting flag None	Insert the ON/OFF setting flag into the group to be used for calibration.      Acquire the SDM serial number.	Group using calibration time  None
req[5-4-1-23]	used for auto calibration  Auto calibration processing	Perform setting process or SDM serial used for auto calibration  Perform auto calibration processing	AUTO calibration running flag	Acquire the SDM serial number.      When the AUTO calibration in progress flag is ON, perform AUTO calibration of	AUTO calibration end flag
req[5-4-1-24]	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	AUTO calibration end flag AUTO Calibration concentration value	flammable gas, O2, H2S, CO, CO2.  2. When the AUTO calibration end flag is OFF, the SPAN calibration of the logger function is recorded.  3. Turnoff AUTO calibration in progress flag.	AUTO calibration running flag
req[5-4-1-25]	Auto calibration execution start flag acquisition processing  Auto calibration execution start	Acquire the auto calibration execution start flag	None	Return AUTO Calibration Executing Flag.	AUTO calibration running flag
req[5-4-1-26]	Auto calibration execution start processing	Perform auto calibration execution start processing	Gas setting Calibration concentration Proof group Fault status AUTO calibration running flag AUTO calibration end flag	1. Turnoff AUTO calibration in progress flag. 2. If the following conditions 3 to 5 are satsfilled, turn on the AUTO calibration end flag and turn off the UP calibration flag. 3. The gas setting is valid and the calibration concentration is not OFF. 4. The proof group matches the argument specification. 5. The sensor is normal. 6. AUTO Sets the calibration concentration value. 7. Set the SDM sensit used for AUTO calibration.	AUTO calibration end flag UP calibration flag AUTO calibration running flag
req[5-4-2-1]	Auto calibration concentration change processing	auto Performs calibration concentration change processing	None	AUTO Create character data corresponding to calibration concentration change.	None
req[5-4-2-2]	Auto calibration concentration change gas selection display Auto calibration concentration	Perform auto calibration concentration change gas selection display processing Perform auto calibration concentration change	Item Number	When gas is selected, create a display character for the gas name.     When ESCAP is selected, create a display character for ESCAPE.     Insert item number into calibration concentration.	None  Calibration concentration
req[5-4-2-3]	change end processing	end processing		Turnoff up / down numerical value setting.     Turnon FRAM write start flag.	Up / down change of numerical value
req[5-4-2-4]		Perform auto calibration concentration change	Calibration concentration value	Put the calibration concentration in the item number.	
164[J-4-2-4]	Auto calibration concentration change start processing Auto calibration concentration	start processing  Perform Auto calibration concentration change gas	Gas setting	Turnoff up / down numerical value setting.     Break when the gas setting is valid.	Item Number Up / down change of numerical value Item Number
req[5-4-2-4]	change start processing  Auto calibration concentration change gas selection start processing	Perform Auto calibration concentration change gas selection start processing	3	Break when the gas setting is valid.     Set item number.     Turnoff up / down numerical value setting.	Up / down change of numerical value Item Number Up / down change of numerical value
-	change start processing Auto calibration concentration	Perform Auto calibration concentration change gas	Gas setting  Calibration maximum value Calibration minimum value Digit	Break when the gas setting is valid.     Set item number.	Up / down change of numerical value Item Number
req[5-4-2-5]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration	Perform Auto calibration concentration change gas selection start processing	Calibration maximum value Calibration minimum value	Break when the gas setting is valid.     Set litem number.     Turnoff up / down numerical value setting.     Set maximum value, minimum value, digit.	Up / down change of numerical value Item Number Up / down change of numerical value
req[5-4-2-5]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration gas change Auto calibration concentration yalue setting processing for communication	Perform Auto calibration concentration change gas selection start processing  Auto Change the calibration concentration value  Auto Change calibration concentration change gas  Perform auto calibration concentration value setting processing for communication	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gas setting Gas number Calibration concentration value	1. Break when the gas setting is valid. 2. Set item number: 3. Turnoff up / down numerical value setting. 1. Set maximum value, minimum value, digit. 2. Include increment / decrement of numerical value in item number.  1. If the up / down numeric value change setting is OFF, move the item upward.  2. If the up / down change setting of the number is ON, move the item downward.  1. Insert the calibration concentration value into the communication AUTO calibration concentration value.	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number AUTO calibration concentration value for communication
req[5-4-2-5] req[5-4-2-6] req[5-4-2-7]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration gas change Auto calibration concentration yalue Auto calibration concentration value	Perform Auto calibration concentration change gas selection start processing Auto Change the calibration concentration value Auto Change the calibration concentration change gas Perform auto calibration concentration value setting	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gas setting Gas number Calibration concentration value Calibration processing flag Calibration procentration value Gas estting AUTO calibration concentration value Gas setting	1. Break when the gas setting is valid. 2. Set item number. 3. Turnoff up / down numerical value setting. 1. Set maximum value, minimum value, digit. 2. Include increment / decrement of numerical value in item number. 1. If the up / down numeric value change setting is OFF, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 1. Insert the calibration concentration value into the communication AUTO calibration	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number AUTO calibration concentration value for
req[5-4-2-5] req[5-4-2-6] req[5-4-2-7] req[5-4-2-8]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration gas change Auto calibration concentration gas change Auto calibration concentration value setting processing for communication Auto calibration concentration concentration auto calibration concentration concentration	Perform Auto calibration concentration change gas selection start processing Auto Change the calibration concentration value Auto Change calibration concentration change gas Perform auto calibration concentration value setting processing for communication Perform auto calibration concentration setting	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gas setting Gas number Calibration concentration value Calibration concentration value Calibration processing flag Calibration procentration value Gas setting AUTO calibration concentration value for communication Item Number Gas arumber OFF concentration Canformation group number Gas setting Proof group Gas group prod group	1. Break when the gas setting is valid. 2. Set item number: 3. Turnoff up / down numerical value setting. 1. Set maximum value, minimum value, digit. 2. Include increment / decrement of numerical value in item number. 1. If the up / down numeric value change setting is DFF, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 1. Insert the calibration concentration value into the communication AUTO calibration concentration value. 1. When calibration is performed from the desector body, acquire the calibration concentration. 2. When calibration is performed from the desector body, acquire the calibration concentration. 3. When calibration is performed from the desector body, acquire the calibration concentration. 3. The calibration is executed from the command, acquire the AUTO calibration of the command is executed from the command, acquire the AUTO calibration.	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number AUTO calibration concentration value for communication
req[5-4-2-5] req[5-4-2-6] req[5-4-2-7] req[5-4-2-8] req[5-4-2-9]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration yas change Auto calibration concentration yas change change concentration concentration value setting processing for communication Auto calibration concentration setting processing cetting processing cetting concentration cetting concentration cetting concentration cetting concentration cetting concentration change confirm ESCAPE display	Perform Auto calibration concentration change gas selection start processing  Auto Change the calibration concentration value  Auto Change calibration concentration change gas  Perform auto calibration concentration value setting processing for communication  Perform auto calibration concentration setting processing  Confirm whether auto calibration shows concentration change ESCAP display	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gas setting Gas number Calibration concentration value Calibration processing flag Calibration processing flag Calibration processing flag Calibration processing flag Calibration procentration value Gainsteation procentration value Gas estering Aunto-Entration OPF concentration OPF concentration Confirmation group number Gas setting Gas setting	1. Break when the gas setting is valid. 2. Set item number: 3. Turnoff up / down numerical value setting. 1. Item off up / down numerical value setting. 2. Include increment / decrement of numerical value in item number.  1. If the up / down numeric value change setting is OFF, move the item upward.  2. Include increment / decrement of numerical value in item number.  1. If the up / down change setting of the number is ON, move the item upward.  2. If the up / down change setting of the number is ON, move the item downward.  1. Insert the calibration concentration value into the communication AUTO calibration concentration value.  1. When calibration is performed from the detector body, acquire the calibration concentration value for communication.  2. When calibration is executed from the command, acquire the AUTO calibration concentration value for communication.  3. When the set number is the measurum, turn on the confirmation result.  2. Return the confirmation result.  3. When the set another is a measurum, turn on the confirmation result is made OK.  3. Group matches argument.  4. The setting of the calibration concentration is not OFF_VAL.  5. Return the confirmation result.  1. When the sist is selected, create a display character for the gas name.	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number Item Number AuTO calibration concentration value for communication AuTO Calibration concentration value Check result
req[5-4-2-5] req[5-4-2-6] req[5-4-2-7] req[5-4-2-8] req[5-4-2-9] req[5-4-2-10]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration yatue change Auto calibration concentration gas change Consider the concentration concentration Auto calibration concentration Auto calibration concentration setting processing for communication Auto calibration concentration certification concentration Confirm ESCAPE display Confirm if gas that may be displayed Group change gas selection display Group change gas selection display	Perform Auto calibration concentration change gas selection start processing Auto Change the calibration concentration value Auto Change calibration concentration change gas Perform auto calibration concentration change gas Perform auto calibration concentration value setting processing for communication Perform auto calibration concentration setting processing Confirm whether auto calibration shows concentration change ESCAP display Confirm if gas can be displayed  Perform group change gas selection display Perform group change gas selection display Perform group change display processing	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gas setting Gas number Calibration concentration value Calibration processing flag Calibration processing flag Calibration processing flag Calibration concentration value Gas setting AUTO calibration concentration value for communication Item Number Gas number OPF concentration OPF concentration Confirmation group number Gas setting Proof group Calibration concentration value Item Number Item Number Item Number	1. Break when the gas setting is valid. 2. Set them number? 3. Turnoff up / down numerical value setting. 3. Turnoff up / down numerical value setting. 2. Include increment / decrement of numerical value in item number. 2. Include increment / decrement of numerical value in item number. 4. If the up / down numeric value change setting is OFF, move the item upward. 5. If the up / down change setting of the number is ON, move the item downward. 6. Insert the calibration concentration value into the communication AUTO calibration concentration value. 7. When calibration is performed from the detector body, acquire the calibration concentration. 7. When calibration is executed from the command, acquire the AUTO calibration concentration value for communication. 7. When the item number is the maximum, turn on the confirmation result. 7. Return the confirmation result. 7. When the following conditions 2 to 4 are satisfied, the confirmation result is made OK. 7. Gas setting is effective. 7. Group matches argument. 7. The setting of the calibration concentration is not OFF_VAL. 7. Return the confirmation result. 7. When ESCAP is selected, create a display character for the gas name. 7. When ESCAP is selected, create a display character for the gas name. 7. When ESCAP is selected, create a display character for the gas name.	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number Item Number AUTO Calibration concentration value for communication AUTO Calibration concentration value Check result Check result Concentration character Flashing concentration
req[5-4-2-6] req[5-4-2-6] req[5-4-2-7] req[5-4-2-8] req[5-4-2-10] req[5-4-3-1] req[5-4-3-1] req[5-4-3-3]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration yatue change Auto calibration concentration gas change Auto calibration concentration value setting processing for communication Auto calibration concentration setting processing for communication Auto calibration concentration setting processing Confirm if gas that may be displayed Group change gas selection display Group change gas selection display Group change end processing Group change end processing Group change gas selection start	Perform Auto calibration concentration change gas selection start processing Auto Change the calibration concentration value Auto Change calibration concentration change gas Perform auto calibration concentration value setting processing for communication Perform auto calibration concentration setting processing Confirm whether auto calibration shows concentration change ESCAP display Confirm if gas can be displayed	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gas setting Gas sumber Calibration concentration value Calibration concentration value Calibration processing liting ALITO calibration value Calibration concentration value for communication Item Number Gas number OFF concentration Confirmation group number Gas setting Proof group Calibration concentration value Item Number Group number Group number Group number Item Number	1. Break when the gas setting is valid. 2. Set item number. 3. Turnoff up / down numerical value setting. 1. Induction walve, minimum value, digit. 2. Include increment / decrement of numerical value in item number. 1. If the up / down numeric value change setting is OFF, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 1. Insert the calibration concentration value into the communication AUTO calibration concentration value. 1. When calibration is performed from the detector body, acquire the calibration concentration value. 1. When calibration is performed from the detector body, acquire the calibration concentration value. 1. When the ten number is the maximum, turn on the confirmation result. 2. Return the confirmation result. 1. When the later of the maximum, turn on the confirmation result is made OK. 2. Gas setting is effective. 2. Gas setting is effective. 3. Group matches argument. 4. The setting of the calibration concentration is not OFF_VAL. 5. Return the confirmation result. 1. When the SIGAP is selected, create a display character for the gas name. 2. When ESCAP is selected, create a display character for the gas name. 2. When ESCAP is selected, create a display character for the gas name. 3. Turnon pack for wom unerical value setting. 3. Turnon FRAM write start flag. 3. Turnon FRAM write start flag. 3. Turnon FRAM write start flag. 4. The selected create and selected.	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number AUTO Calibration concentration value for communication AUTO Calibration concentration value Check result Check result Concentration character Fishaling concentration Frod group Up / down change of numerical value Item Number
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It men the manifestion change setting of the numerical value is OFF, execute the following is only the results in make a device obtained by adding 1 to the maximum value, the item number is nailler than the value obtained by adding 1 to the maximum value, it is	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number Item Number AutTO calibration concentration value for communication AutTO Calibration concentration value Check result Check result Check result Check result Value Concentration character Flashing concentration Up / down change of numerical value Item Number Up / down change of numerical value Item Number Up / down change of numerical value Item Number The State of numerical va
req[5-42-6] req[5-42-6] req[5-42-6] req[5-42-8] req[5-42-10] req[5-42-10] req[5-43-1] req[5-43-3] req[5-43-4] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration operation setting processing for communication Auto calibration concentration value setting processing for communication Auto calibration concentration value setting processing for communication Auto calibration concentration setting processing for communication Auto calibration concentration change confirm ESCAPE display Confirm if gas that may be displayed  Group change gas selection display Group change display Group change display Group change as selection start processing Group change gas selection start processing Group change gas change  Croup change gas change  Croup change gas change  Croup value change Auto calibration error display  Check whether there is span calibration error Calibration expiration operation setting display processing	Perform Auto calibration concentration change gas selection start processing Auto Change the calibration concentration value Auto Change the calibration concentration value experience of the calibration concentration value setting processing for communication Perform auto calibration concentration value setting processing for communication Perform auto calibration concentration setting processing Confirm whether auto calibration shows concentration change ESCAP display Confirm if gas can be displayed  Perform group change gas selection display Perform group change display processing Perform group change display processing Perform group change and processing Perform group change gas selection start processing Perform group change gas selection start processing Perform auto calibration error display Change group values Perform auto calibration error display Confirm whether there is no abnormality in span calibration calibration operation setting display processing Perform processing for end calibration expiration operation setting Start calibration expiration operation setting	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gass setting Gas sumber Calibration concentration value Calibration concentration value Calibration processing flag Calibration concentration value AutTo calibration concentration value for communication Item Number Gas number OFF concentration value for communication Confirmation group number Gas setting Proof group Calibration concentration value Item Number	1. Break when the gas setting is valid. 2. Set item number: 3. Turnoff up / down numerical value setting. 4. Include increment / decrement of numerical value in item number. 5. Include increment / decrement of numerical value in item number. 6. In the up / down numeric value change setting is OFF, move the item upward. 7. If the up / down change setting of the number is ON, move the item downward. 8. If the up / down change setting of the number is ON, move the item downward. 9. Insert the calibration concentration value into the communication AUTO calibration concentration value. 1. Insert the calibration is performed from the detector body, acquire the calibration concentration value. 1. When the item number is the manifurum, turn on the confirmation result. 2. When call the number is the manifurum, turn on the confirmation result. 3. Return the confirmation result. 4. The setting is effective. 5. Group matches argument. 4. The setting of the calibration concentration is not OFF_VAL. 5. Return the confirmation result. 4. The setting of the calibration concentration is not OFF_VAL. 5. Return the confirmation result. 6. When the SCAP is selected, create a display character for the gas name. 6. When ESCAP is selected, create a display character for the gas name. 7. When the SCAP is selected, create a display character for the gas name. 8. When the SCAP is selected, create a display character for the gas name. 9. When the SCAP is selected, create a display character for the gas name. 9. When the SCAP is selected, create a display character for the gas name. 9. When the SCAP is selected, create a display character for the gas name. 9. When the SCAP is selected, create a display character for the gas name. 9. When the SCAP is selected, create a display character for the gas name. 9. When the SCAP is selected, create a display character for the gas name. 9. When the SCAP is selected, create a display character for the gas name. 9. When the SCAP is selected, create a display character for the gas name. 9. When the S	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number Item Number Item Number AutTO calibration concentration value for communication AutTO calibration concentration value Check result Check result Check result Check result Value Valu
req[5-42-6] req[5-42-6] req[5-42-6] req[5-42-8] req[5-42-8] req[5-42-10] req[5-43-1] req[5-43-3] req[5-43-3] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration operation setting processing for communication Auto calibration concentration value setting processing for communication Auto calibration concentration value setting processing for communication Auto calibration concentration concentration concentration change confirm ESCAPE display Confirm if gas that may be displayed  Group change gas selection display  Group change display  Group change display  Group change as selection start processing Group change gas selection start processing Group change gas selection start processing Group change gas change  Check whether there is span calibration error Calibration expiration operation setting display processing Calibration time limit setting mode menu start processing	Perform Auto calibration concentration change gas selection start processing Auto Change the calibration concentration value Auto Change the calibration concentration value gas selection start processing Auto Change calibration concentration change gas Perform auto calibration concentration value setting processing for communication Perform auto calibration concentration setting processing Confirm whether auto calibration shows concentration change ESCAP display Confirm if gas can be displayed  Perform group change gas selection display Perform group change display processing Perform group change display processing Perform group change and processing Perform group change gas selection start processing Perform group change gas selection start processing Perform auto calibration error display Change group values Perform auto calibration error display Confirm whether there is no abnormality in span calibration and processing perform calibration operation setting Start calibration expiration operation setting Start calibration expiration perfation setting Perform start process of the calibration expiration setting mode menu	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gas setting Gas number Calibration concentration value Calibration concentration value Calibration processing flag Calibration concentration value AutTo calibration concentration value for communication Item Number Gas number OFF concentration OFF concentration Confirmation group number Gas setting Proof group Calibration concentration value Item Number	1. Break when the gas setting is valid. 2. Set item number: 3. Turnoff up / down numerical value setting. 4. Include increment / decrement of numerical value in item number. 5. Include increment / decrement of numerical value in item number. 6. In the up / down numeric value change setting is OFF, move the item upward. 7. If the up / down change setting of the number is ON, move the item downward. 8. If the up / down change setting of the number is ON, move the item downward. 9. Insert the calibration concentration value into the communication AUTO calibration concentration value. 1. Insert the calibration is performed from the detector body, acquire the calibration concentration value. 1. When the item number is the manifurum, turn on the confirmation result. 2. When call the number is the manifurum, turn on the confirmation result. 3. Return the confirmation result. 4. When the item number is the manifurum, turn on the confirmation result is made OK. 5. Gas setting is effective. 6. Gas setting is effective. 6. The setting of the calibration concentration is not OFF_VAL. 6. Return the confirmation cerult. 6. The setting of the calibration concentration is not OFF_VAL. 6. Return the confirmation result. 7. When the SCAP is selected, create a display character for the gas name. 7. When ESCAP is selected, create a display character for the gas name. 7. When ESCAP is selected, create a display character for the gas name. 8. When ESCAP is selected, create a display character for the gas name. 9. When ESCAP is selected, create a display character for the gas name. 9. When ESCAP is selected, create a display character for the gas name. 9. When Calibration group and the calibration group. 9. Turnoff up / down numerical value setting. 9. Turnoff u	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number Item Number Item Number Item Number AutTO Calibration concentration value for communication AutTO Calibration concentration value Check result Check result Check result Check result Value Valu
req[5-42-6] req[5-42-6] req[5-42-6] req[5-42-8] req[5-42-8] req[5-42-10] req[5-43-1] req[5-43-3] req[5-43-4] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6] req[5-43-6]	change start processing Auto calibration concentration change gas selection start processing Auto calibration concentration value change Auto calibration concentration gas change Auto calibration concentration gas change Auto calibration concentration value setting processing for communication Auto calibration concentration setting processing for communication Auto calibration concentration cathor gas gas selection concentration change confirm BSCAPE display Confirm if gas that may be displayed Group change gas selection display Group change gas selection start processing Group change gas selection start processing Group change gas selection start processing Group change gas change  Group change gas change  Group change gas change  Calibration expiration operation setting display processing Calibration expiration operation setting display processing calibration error calibration er	Perform Auto calibration concentration change gas selection start processing Auto Change the calibration concentration value Auto Change calibration concentration value setting processing and calibration concentration value setting processing for communication Perform auto calibration concentration value setting processing for communication Perform auto calibration concentration setting processing for communication Confirm whether auto calibration shows concentration change ESCAP display Confirm if gas can be displayed  Perform group change gas selection display Perform group change display processing Perform group change and processing Perform group change gas selection start processing Perform group change gas selection start processing Perform auto calibration of group change Change group values Change group values Change group values Canfirm whether there is no abnormality in span calibration Perform calibration expiration operation setting display processing Perform calibration expiration operation setting processing Perform stration operation setting processing Perform stration operation setting processing Perform stration processing or end calibration expiration operation setting Perform stration control operation setting Perform stration process of the calibration expiration operation setting	Calibration maximum value Calibration minimum value Digit Item Number Up / down change of numerical value Gas setting Gas number Calibration concentration value Calibration concentration value Calibration concentration value Calibration concentration value AutTo calibration concentration value for communication Item Number Gas number OFF concentration concentration value for communication Item Number Gas number Gas number Group number Gas setting Item Number	1. Break when the gas setting is valid. 2. Set item number. 3. Turnoff up / down numerical value setting. 1. Infect up / down numerical value setting. 1. Infect up / down numerical value change setting is OFF, move the item upward. 2. Include increment / decrement of numerical value in item number. 1. If the up / down change setting of the number is ON, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 1. Insert the calibration concentration value into the communication AUTO calibration concentration value. 1. When calibration is performed from the detector body, acquire the calibration concentration value. 1. When calibration is performed from the detector body, acquire the calibration concentration value. 1. When the intermediate is the maximum, turn on the confirmation result. 2. Return the confirmation result. 2. Return the confirmation result. 3. When the item number is the maximum, turn on the confirmation result is made OK. 3. Group matches argument. 4. The setting of the calibration concentration is not OFF_VAL. 5. Return the confirmation concentration is not OFF_VAL. 5. Return the confirmation result. 1. When the Stocker is selected, create a display character for the gas name. 2. When ESCAP is selected, create a display character for the gas name. 3. Turnom FSCAP is selected, create a display character for the gas name. 3. Turnom FSCAP is selected, create a display character for the gas name. 3. Turnom FSCAP is selected, create a display character for ESCAPE. 5. Treater character data corresponding to group character for ESCAPE. 6. Treater than number in calibration group. 6. Turnoff up / down numerical value setting. 7. Turnom FRAM write start flag. 8. The seas when the gas setting is valid. 9. Set item number is retained than the value obtained by adding 1 to the maximum value. 9. Turnoff up / down numerical value setting. 9. Turnoff up / down numerical value setting. 9. Turnoff up / down numerical value setting. 9. Turnoff up / down numerical val	Up / down change of numerical value Item Number Up / down change of numerical value Item Number Item Number Item Number AUTO Calibration concentration value for communication AUTO Calibration concentration value Check result Check result Check result Check result Concentration character Flashing concentration Prod group Up / down change of numerical value Item Number Item Number Flashing concentration Item Number Item Number Item Number Calibration Item Number Calibration time limit check method Item Number Calibration time limit check method Item Number Calibration time limit check method Item Number Item Number Calibration time limit check method Item Number

req[5-5-1-8]	Calibration time limit function ON/OFF confirmation processing		ON/OFF of display of calibration expiration Destination setting	If the calibration expiration display function is ON and it is not domestic specification, turn on the result.  If the calibration time limit display function is OFF or domestic specification, turn off the result.  Return results.	result
req[5-5-3-1]	Calibration (BUMP) calculation process of the number of remaining days	Perform calibration (BUMP) expiration remaining days calculation processing	Final expiration Due Days	Output final expiration.     Insert the current time.     Perform difference and calculate remaining number of days.     Return the remaining number of days.	Remaining days
req[5-5-3-2]	Calibration expiration check processing	Perform calibration expiration check processing	Gas setting Fault status	Enter the maximum number of remaining days.     H2 Cancellation If not CO, calculate the remaining number of days.     Return the remaining number of days.	Remaining days
req[5-5-3-3]	Calibration time limit function expiration confirmation processing	Perform calibration time limit function expiration check processing	None	If the result of the calibration expiration check processing is 0, the BUMP expiration flag is set to ON.     If the result of the calibration expiration check processing is other than 0, turn off the BUMP expiration flag.	Calibration expiration flag
req[5-5-3-4]	Calibration time limit function expired operation acquisition processing	Acquire calibration time limit function expired operation	None	Return calibration time limit check method.	Calibration time limit check method
req[5-5-3-5]	Calibration time limit function expired acquisition processing	Calibration time limit function Acquire expiration	None	Return the calibration expiration flag.	Calibration expiration flag
req[5-5-4-1]	Calibration expired Do not do anything display	Make a display indicating that the calibration expired and nothing is done	None	Proofreading expires Creates character data corresponding to not doing anything.	None

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	Display of calibration expiration remaining days	Display the calibration expiration remaining days	None	Calculate remaining days.     When the current number of days is larger than the maximum number of remaining days,	None
	remaining days			'' is displayed.  3. If the current number of days is larger than the maximum number of remaining days,	
req[5-5-4-2]				it is displayed as the remaining number of days.	
				Create character data corresponding to the number of days remaining for calibration.     Convert the numerical value corresponding to the calibration due date remaining to	
				character data.	
reg[5-5-4-3]	Display prohibition of proofreading	Display prohibition of proofreading expiration	None	Create character data corresponding to prohibited expiration prohibition.	None
	expiration  Calibration expiration confirmation	Display calibration expiration confirmation	None	Create character data corresponding to calibration expiration confirmation.	None
req[5-5-4-4]	display				
req[5-5-5-1]	Calibration expiration ON/OFF setting display processing	Display processing of the calibration expiration ON/OFF setting is performed	None	Create display of ON/OFF setting menu corresponding to calibration time limit ON/OFF setting.	None
req[5-5-5-2]	Calibration time limit ON/OFF setting end processing	Perform processing for ending calibration due date ON/OFF setting	Item Number	Insert item number into ON/OFF setting of display of calibration expiration.     Turnon FRAM write start flag.	ON/OFF setting of display of calibration time
	Calibration time limit ON/OFF	Start calibration time limit ON/OFF setting	ON/OFF setting of display of calibration	Insert the ON/OFF setting of the display of the calibration expiration into	Item Number
req[5-5-5-3]	setting start processing	processing	time limit	the item number.  2. Turnoff up / down numerical value setting.	Up / down change of numerical value
req[5-5-5-4]	Calibration time limit ON/OFF setting display item selection processing	Calibration expiration ON/OFF setting Display item selection process	None	Put ON/OFF replacement processing in item number.	Item Number
	Calibration expiration setting	Perform calibrsation expiration days setting display	None	Create character data corresponding to calibration expiration setting.	Maintenance character flashing
req[5-5-6-1]	display processing	processing		<ol><li>Convert the numerical value corresponding to the calibration expiration setting into character data.</li></ol>	
				Flash maintenance letters.	
req[5-5-6-2]	Calibration expiration days setting end processing	Perform processing for end the calibration	Item Number	Put the item number in the calibration expiration setting value.     Turnon FRAM write start flag.	Calibration expiration setting value
	Calibration expiration setting start	expiration setting  Perform start processing of calibration expiration	Calibration expiration setting value	Insert the calibration expiration setting value in the item number.	Item Number
req[5-5-6-3]	processing  Calibration expiration days setting	setting		Turnoff up / down numerical value setting.     Select the calibration expiration setting display item for increasing / decreasing.	
req[5-5-6-4]	display item selection processing	Perform calibration expiration days setting display item selection processing	None	the numerical value.	Item Number
	Concentration substitution processing after calibration	Perform concentration substitution processing after calibration	Minus flag Over flag	When the minus flag is ON, the concentration after final calibration is set to 0.     When the minus flag is OFF and the over flag is ON, the value obtained by adding	Concentration value after final calibration
req[5-5-6-5]	and daiblaidi	CLIID LAIGH	Concentration value Full scale value	the full scale value and the digit to the post-calibration concentration is inserted.  3. Record the final standard value concentration.	
			Digit		
	Pre-calibration concentration substitution processing	Perform concentration substitution process before calibration	Minus flag Over flag	When the minus flag is ON, the final pre-calibration concentration is set to 0.     When the minus flag is OFF and the over flag is ON, the value obtained by adding	Concentration value before final calibration
req[5-5-6-6]			Concentration value Full scale value	the full scale value and the digit to the pre-calibration concentration is inserted.  3. Record the final standard value concentration.	
	BUMP time limit function ON/OFF	Perform BUMP time limit function ON/OFF	Digit	When the BUMP time limit display function is ON, turn on the result.	result
req[5-6-1-1]	confirmation process	confirmation processing	BUMP expiration display function	<ol><li>When the BUMP time limit display function is OFF, turn off the result.</li></ol>	result
	BUMP expired operation setting	Display processing of BUMP expired operation	Item Number	Return results.     Create character data corresponding to BUMP expired operation setting.	Maintenance character flashing
req[5-6-2-1]	display processing	settings		Flash maintenance letters.	
req[5-6-2-2]	BUMP expired operation setting	Perform end processing of BUMP expired	Item Number	Insert item number into bump expiration operation.	Bump expiration behavior
	end processing BUMP expired operation setting	operation setting Perform start processing of BUMP expired operation	Bump expiration behavior	Turnon FRAM write start flag.     Put bump expiration action in item number	Item Number
req[5-6-2-3]	start processing	setting		Turnoff up / down numerical value setting.	Up / down change of numerical value
req[5-6-2-4]	BUMP time limit setting mode menu start processing	Perform start processing of the BUMP time limit setting mode menu	None	Initialize item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[5-6-2-5]	BUMP expired operation setting display item selection processing	Perform BUMP expired operation setting display item selection processing	None	Select BBUMP expired operation setting display item for numerical increase / decrease processing.	Item Number
req[5-6-2-6]	BUMP time limit setting mode menu	Perform BUMP time limit setting mode menu	None	Select BUMP expiration setting mode menu item for increasing / decreasing numeric	Item Number
	item selection processing BUMP time limit setting mode menu	item selection processing Display processing of the BUMP time limit setting	Item Number	value.  1. Create character data corresponding to the BUMP time limit setting mode menu.	Maintenance letter
req[5-6-2-7]	display processing	mode menu is performed		3	
req[5-6-3-1]	BUMP expiration check processing	Perform BUMP expiration check processing	Bump expiration check gas Gas setting	Enter the maximum number of remaining days.     H2 Cancellation If not CO, calculate the remaining number of days.	Remaining days
	BUMP expiration function expiration	Perform BUMP expiration function expiration check	Fault status None	Return the remaining number of days.      When the result of the BUMP expiration check processing is 0, the BUMP expiration.	BUMP Expired flag
rea[5-6-3-2]	check processing	processing	Note	flag is set to ON.	DOWN Expired liag
				<ol><li>When the result of the BUMP expiration check processing is other than 0, the BUMP expiration flag is set OFF.</li></ol>	
req[5-6-3-3]	BUMP time limit function expired operation acquisition processing	Perform BUMP time limit function expired operation acquisition processing	None	Return bump expired behavior.	Bump expiration behavior
rea[5-6-3-4]	BUMP time limit function expired	BUMP time limit function Acquires expiration	None	Return BUMP expiration flag	BUMP Expired flag
- 1	acquisition processing BUMP deadline BUMP/CAL success	BUMP deadline BUMP/CAL success flag assignment	Gas number	Substitute ON for the BUMP/CAL success flag for the BUMP deadline.	BUMP deadline BUMP/CAL success flag
req[5-6-3-5]	flag assignment process BUMP expiration check confirmation	process BUMP expiration check confirmation process		Enter the maximum number of remaining days.	BUMP expired flag
	process	BUMP expiration check confirmation process	Gas setting Fault status	<ol><li>H2 Cancellation If not CO, calculate the remaining number of days.</li></ol>	BUMP expired riag
req[5-6-3-6]				However, if the number of remaining days is 0 and the BUMP/CAL success flag for BUMP deadline is ON, 1 day will be set as the remaining number of days.	
	BUMP expired display nothing	BUMP Displays that expiration does nothing	None	Return the remaining number of days.     BUMP creates character data corresponding to not doing anything expired.	None
req[5-6-4-1]			None		No.
	Display BUMP expiration remaining days	Display BUMP expiration remaining days	None	Calculate remaining days.     When the current number of days is larger than the maximum number of remaining days,	None
				'' is displayed.  3. If the current number of days is larger than the maximum number of remaining days,	
req[5-6-4-2]				it is displayed as the remaining number of days.  4. Create character data corresponding to BUMP due date remaining.	
				<ol> <li>Convert the numerical value corresponding to the BUMP due date remaining to character data.</li> </ol>	
				Citatacter data.	
req[5-6-4-3]	BUMP expiration prohibition display	Perform BUMP expiration prohibition display	None	Create character data corresponding to BUMP expiration prohibition.	None
req[5-6-4-4]	BUMP expiration confirmation display	Display BUMP expiration confirmation	None	Create character data corresponding to BUMP expiration confirmation.	None
	BUMP time limit ON/OFF setting	Perform BUMP time limit ON/OFF setting display	None	Create character data corresponding to BUMP time limit ON/OFF setting.	None
req[5-6-5-1]	display processing BUMP time limit ON/OFF setting	processing Perform BUMP time limit ON/OFF end display	Item Number	Insert item number into bump time limit ON/OFF setting.	Bump time ON/OFF setting
req[5-6-5-2]	end processing	processing		Turnon FRAM write start flag.	
req[5-6-5-3]	BUMP time limit ON/OFF setting start process	Perform BUMP time limit ON/OFF start display processing	Bump time ON/OFF setting	Insert bump time limit ON/OFF setting in item number.	Item Number
req[5-6-5-4]	BUMP time limit ON/OFF setting display item selection processing	Perform BUMP time limit ON/OFF setting display item selection processing	None	Put ON/OFF replacement processing in item number.	Item Number
	BUMP expiration date setting display	Perform display processing of BUMP expiration	None	Create character data corresponding to BUMP expiration date setting.	Maintenance character flashing
req[5-6-6-1]	processing	date setting		<ol><li>Convert the numerical value corresponding to the BUMP expiration date setting to character data.</li></ol>	
				3. Flash maintenance letters.	
req[5-6-6-2]	BUMP expiration date setting end	Perform BUMP expiration date setting end	Item Number	Insert item number into bump expiration setting value.	Bump time limit setting value
	processing BUMP expiration date setting start	processing Perform BUMP expiration date setting start	Bump time limit setting value	Turnon FRAM write start flag.     Put the bump time limit setting value in the item number.	Item Number
req[5-6-6-3]	process	processing	-	Turnoff up / down numerical value setting.	Up / down change of numerical value
req[5-6-6-4]	BUMP expiration date setting display item selection processing	Perform BUMP expiration date setting display item selection processing	None	<ol> <li>Select BUMP expiration date setting display item for increasing / decreasing numerical value.</li> </ol>	Item Number
	Concentration substitution process after BUMP	Perform concentration substitution processing after BUMP	Gas number Specified concentration at bump	When the minus flag is ON, the concentration in the final bump test is set to 0.     When the minus flag is OFF and the over flag is ON, the value obtained by adding	Concentration value at final bump test Final specification value concentration
	50	<del></del>	Minus flag	the full scale value and the digit to the final bump test concentration is inserted.	specification value concentration
req[5-6-6-5]			Over flag Concentration value	Record the final standard value concentration.	
			Full scale value Digit		
	Maintenance announcement	Perform maintenance announcement function	Calibration concentration value  Maintenance announcement display ON/OFF	If the Maintenance announcement function is on and domestic specifications,	result
real5-7 1 11	function ON/OFF confirmation	ON/OFF confirmation processing	Destination setting	turn on the result.	
req[5-7-1-1]	processing			If the maintenance letter announcement function is OFF, not the domestic specification, turn off the result.     Return results.	

req[5-7-2-1]	Maintenance announcement expired operation setting display processing	Perform maintenance display expiration operation setting display processing	Item Number	Maintenance announcement Creates character data corresponding to expired operation settings.     Flash maintenance letters.	Maintenance character flashing
req[5-7-2-2]	Maintenance announcement mode menu display processing	Perform maintenance announcement mode menu display processing	Item Number	Character data is set with the value of item number as a condition.     Create character data corresponding to the maintenance announcement mode menu.	Maintenance letter
req[5-7-2-3]	Maintenance announcement expired	Maintenance announcement expiration operation	Item Number	Insert the item number into the maintenance announcement expiration operation.	Maintenance announcement Expired
req[5-7-2-4]	operation setting end processing  Maintenance announcement expired operation setting start processing	Perform setting end processing  Maintenance announcement expiration operation Perform setting start processing	Maintenance announcement Expired operation	Turnon FRAM write start flag.     Maintenance Announcement Enter expiration action in item number.     Turnoff up / down numerical value setting.	operation Item Number Up / down change of numerical value
req[5-7-2-5]	Maintenance announcement setting mode menu start processing	Perform maintenance notification setting mode start menu processing	None	Initialize item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[5-7-2-6]	Maintenance announcement expired operation setting selection processing	Perform maintenance setting information expiration operation setting selection processing	None	Include increment / decrement of numerical value in item number.	Item Number
req[5-7-2-7]	Maintenance announcement mode menu item selection processing	Maintenance announcement Mode Perform menu item selection processing	Item Number Up / down change of numerical value	I. Include increment / decrement of numerical value in item number.  When the up / down change setting of the numerical value is ON, the item number is counted down.	Item Number
req[5-7-3-1]	Maintenance announcement expiration check processing	Perform maintenance notice expiration check processing	Maintenance notice check gas Gas setting	When the numerical up / down change setting is OFF, the item number is counted up.     1. Enter the maximum number of remaining days.     2. H2 Cancellation If not CO, calculate the remaining number of days.	Remaining days
req[5-7-3-2]	Maintenance announcement function expired operation acquisition	Maintenance announcement function perform expiration behavior acquisition processing	Fault status None	Return the remaining number of days.     Maintenance announcement Return expired behavior.	Maintenance notice Operation at expiration
req[5-7-3-3]	processing Maintenance notice remaining number calculation process	Perform the maintenance day remaining number calculation process	Deadline Number of days	Output final expiration.     Insert the current time.	Remaining days
req[5-7-3-4]	Maintenance announcement function expiration confirmation processing	Maintenance announcement function Perform expiration confirmation processing	None	Reform difference and calculate remaining number of days. Return the remaining number of days. If the remaining number of days set the maintenance expiration flag to ON. If the number of remaining days is not 0 day, turn off the maintenance expiration flag.	Maintenance expiration flag
req[5-7-3-5]	Maintenance announcement function	Maintenance announcement function Perform	None	Return Maintenance Expired Flag.	Maintenance expiration flag
rea[5-7-4-1]	expired acquisition processing  Maintenance expired display nothing	expiration acquisition processing Perform Maintenance expired display nothing	None	Mentee expires Creates character data corresponding to not doing anything.	None
red[0-7-4-1]	Maintenance expiration remaining	Perform maintenance expiration remaining days	None	Calculate the remaining number of days remaining.	None
req[5-7-4-2]	days display	display		2. When the current number of days is larger than the maximum number of remaining days, "" is displayed. of days is larger than the maximum number of remaining days, it is displayed as the remaining number of days. 4. Create character data corresponding to the maintenance days remaining days. 5. Corwort the numerical value corresponding to the number of remaining maintenance days into character data.	
req[5-7-4-3]	Maintenance expiration prohibition display	Perform Maintenance expiration prohibition display	None	Create character data corresponding to maintenance expiration prohibition.	None
req[5-7-4-4]	Maintenance expiration confirmation display	Display maintenance expiration confirmation	None	Create character data corresponding to maintenance expiration confirmation.	None
req[5-7-5-1]	Maintenance announcement ON/OFF setting display processing	Perform maintenance announcement ON/OFF setting display processing	None	Create ON/OFF setting menu display.	None
req[5-7-5-2]	Maintenance announcement ON/OFF setting end processing	Perform maintenance announcement ON/OFF setting end processing	Item Number	Insert item number into ON/OFF setting of Maintenance announcement display.     Turnon FRAM write start flag.	ON/OFF setting of Maintenance announcement display
req[5-7-5-3]	Maintenance announcement ON/OFF setting start processing	Perform maintenance announcement ON/OFF setting start processing	ON/OFF setting of Maintenance announcement display	Insert the ON/OFF setting of the maintenance announcement display in the item number.	Item Number
req[5-7-5-4]	Maintenance announcement ON/OFF setting display item selection processing	Perform maintenance announcement ON/OFF setting display item selection processing	None	Set ON/OFF setting menu display Create process into item number.	Item Number
req[5-7-6-1]	Maintenance announcement days setting display processing	Perform the maintenance announcement days setting display process	None	Creates display of ON/OFF setting menu corresponding to maintenance announcement number setting and creates character data.     Flash maintenance letters.	Maintenance character flashing
req[5-7-6-2]	Maintenance notice reset display processing  Maintenance announcement days	Maintenance announcement Perform reset display processing	None Item Number	Create character data corresponding to maintenance announcement reset.	None
req[5-7-6-3] req[5-7-6-4]	setting end processing Maintenance notice reset end	Perform maintenance end announcement setting end processing  Maintenance announcement Performs reset end	None	Insert item number in Maintenance announcement display days.     Turnon FRAM write start flag.     Reset Maintenance announcement Date and Time.	Maintenance announcement display days  None
req[5-7-6-5]	processing Maintenance announcement days	processing  Perform maintenance start announcement setting	Maintenance announcement display days	Insert maintenance announcement display days into item number.	Item Number
req[5-7-6-6]	setting start processing  Maintenance announcement days setting display item selection	start processing  Perform maintenance announcement Days Setting Display item selection processing	None	Turnoff up / down numerical value setting.     Include increment / decrement of numerical value in item number.	Up / down change of numerical value Item Number
	processing  Maintenance announcement date	Perform maintenance announcement date and time	Date and time for maintenance announcement	Set the year, month, day to 0.	None
req[5-7-6-7]	and time reset processing  Maintenance announcement user start reset processing	reset processing Perform maintenance announcement user start reset processing	Date and time for maintenance announcement	Set the FRAM write start flag to ON.     Acquire date and time data.     Reast year, month, day to current value if the year, month, day of the maintenance announcement date and time are all 0.     Turnon FRAM write start flag.	Date and time for maintenance announcement
req[5-7-6-9]	Maintenance announcement renewal processing	Perform maintenance notice update date update processing	Gas number	1. Acquire date and time date.     2. Reset year, month, day to current value.     3. Turnon FRAM write start flag.	Date and time for maintenance announcement
req[5-8-1-1]	Confirm existence of integrating alarm	Confirm existence of integrating alarm	ON/OFF setting of integrating alarm Gas setting	When the integral alarm is ON and the setting is ON, turn on the confirmation result.      Return the confirmation result.	Check result
req[5-8-1-2]	Confirm existence of flammable gas	Confirm existence of flammable gas	Presence or absence of confirmation of methane / isobutane	When the setting is ON, turn on the confirmation result.     Return the confirmation result.	Check result
req[5-8-1-3]	Confirm existence of toxic gas	Confirm existence of toxic gas	Gas setting Gas setting STEL alarm point	When the setting is ON, turn on the confirmation result.     Return the confirmation result.	Check result
rea[5-8-1-4]	Confirm whether 2ch is selected when 3ch is H2 can CO with gas	Confirm whether 2ch is selected when 3ch is H2 can CO with gas combination channel change	TWA alarm point	If the setting channel is 2 ch and 3 ch is H2 cancel CO, turn on the confirmation result.     Return the confirmation result.	Check result
req[5-8-1-5]	combination channel change Check gas combination channel	Check gas combination channel change or	Item Number	When the item number is the maximum value, turn on the confirmation result.	Check result
	change or ESCAPE display  Gas combination channel selection display processing	ESCAPE display	Item Number Gas setting	Return the confirmation result.     If the item number is smaller than the maximum value, set display GAS_COMB and display "".	None
req[5-8-1-6]	Gas combination setting display	Perform as combination setting display processing	None	If the item number is greater than or equal to the maximum value, set display ESCAPE.      Create character data corresponding to gas combination setting.	None
req[5-8-1-7]	processing Gas combination setting display	Perform gas combination setting display processing	Item Number	Set gas data of nonvolatile memory.	None
req[5-8-1-8]	processing	gasautor occury city processing		See gas based on Information relativity.     Gas data of concentration calculation data is set.     For sensors with 0ch to 5ch, reset RL78 communication setting.     Tumon FRAM write start flag.	
req[5-8-2-1]	Assignment of ON/OFF setting of gas	Perform assignment processing of ON/OFF setting of gas	None	Return gas ON/OFF setting.	Gas ON/OFF setting
req[5-8-2-2]	Assignment of ON/OFF setting of gas	Perform assignment processing of ON/OFF setting of gas	None	Return gas ON/OFF setting.	Gas ON/OFF setting
req[5-8-2-3]	Set gas ON/OFF setting	Perform setting process of ON/OFF setting of gas	ON/OFF setting flag	When ON/OFF setting flag is OFF, turn ON/OFF setting of gas OFF.     When ON/OFF setting flag is ON, turn ON/OFF setting of gas ON.	Gas ON/OFF setting flag
req[5-8-2-4]	Assigning ON/OFF of gas of RL78	Performs substitution processing of ON/OFF of gas	None	When ON/OFF setting flag is ON, turn ON/OFF setting of gas ON.     Acquire gas ON/OFF setting of RL78.	None
req[5-8-3-1]	Gas combination channel selection	of RL78 Perfom gas combination channel selection start	None	Initialize item number.	Item Number
req[5-8-3-1]	start processing Gas combination setting start	processing Perform gas combination setting start processing	Gas setting	Turnoff up / down numerical value setting.     Insert gas setting in item number.	Up / down change of numerical value Item Number
	processing Change selection channel of gas	Change selection channel of gas combination	Item Number	Turnoff up / down numerical value setting.     Include increment / decrement of numerical value in item number.	Up / down change of numerical value Item Number
req[5-8-3-3]	combination channel  Gas combination set value change	channel  Perform change process of gas combination set	Up / down change of numerical value	When the up / down change setting of the numerical value is ON, the item number is counted down.     When the numerical up / down change setting is OFF, the item number is counted up.     If the up / down numeric value change setting is OFF, move the item upward.	Item Number
req[5-8-3-4]	processing  Zero tracking setting display ON/OFF	value  Perform zero tracking setting display ON/OFF	Up / down change of numerical value  None	1. If the up / down change setting is UFF, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward.  1. Create a display of the ON/OFF setting menu corresponding to the zero tracking.	None Number
req[5-8-4-1] req[5-8-4-2]	setting display processing  Zero tracking setting display ON/OFF	setting display processing Perform zero tracking setting display ON/OFF	Item Number	setting display ON/OFF setting.  1. Insert item number in whether to display zero tracking ON/OFF setting in USER.	Whether zero tracking ON/OFF setting is
req[5-8-4-2]	setting end processing  Zero tracking setting display ON/OFF setting start processing	setting end processing  Perform zero tracking setting display ON/OFF setting start processing	Whether zero tracking ON/OFF setting is displayed in USER	Turnon FRAM write start flag.     Put in the item number whether to display the zero tracking ON/OFF setting in USER.	displayed in USER Item Number
req[5-8-4-4]	Zero tracking setting display ON/OFF setting ON/OFF selection processing	Perform zero tracking setting display ON/OFF setting ON/OFF selection processing	None	Put ON/OFF replacement processing in item number.	Item Number
req[5-8-4-5]	Zero tracking ON/OFF setting gas selection display	Zero tracking ON/OFF setting Performs gas selection display	None	<ol> <li>When gas is selected, character data corresponding to zero tracking ON/OFF setting gas selection is created.</li> <li>If gas is not selected, create character data corresponding to zero tracking ON/OFF setting gas selection.</li> </ol>	Item Number
req[5-8-4-6]	Zero tracking ON/OFF setting display processing	Perform zero tracking ON/OFF setting display processing	Item Number	1. Create character data corresponding to zero tracking ON/OFF setting.     2. Flash character data.     3. Assign gas name / unit corresponding to zero tracking ON/OFF setting.	Flashing concentration
req[5-8-4-7]	Zero tracking ON/OFF setting gas selection start processing	Zero tracking ON/OFF setting Performs gas selection start processing	Gas setting	Set item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[5-8-4-8]	Zero tracking ON/OFF setting start processing	Perform zero tracking ON/OFF setting start process	ON/OFF setting of zero tracking	Insert the ON/OFF setting of zero tracking in item number.	Item Number
req[5-8-4-9]	Zero tracking ON/OFF setting gas change	Zero tracking ON/OFF setting Performs gas change processing	Item Number Up / down change of numerical value	If the up / down numeric value change setting is OFF, move the item upward.     If the up / down change setting of the number is ON, move the item downward.	Item Number
į.			Gas setting		

	Zero tracking ON/OFF setting display	Perform zero tracking ON/OFF setting Display item	None	Accept the numerical value of 1. 1 or 0 and put the ON/OFF swapping process in	Item Number
req[5-8-4-10]	item selection processing Zero tracking ON/OFF setting end	selection processing Perform zero tracking ON/OFF setting end	Gas setting	the item number.  1. Insert item number into ON/OFF setting of zero tracking.	ON/OFF setting of zero tracking
req[5-8-4-11]	processing ON/OFF setting end	processing	Item Number	Insert item number into UNIOFF setting or zero tracking.     Turnon FRAM write start flag.	ON/OFF setting of zero tracking
rea[5-8-5-1]	Suppress setting display ON/OFF	Perform Suppress setting display ON/OFF	None	Create display of ON/OFF setting menu corresponding to suppression setting display	None
req[5-8-5-2]	setting display processing Suppress setting display ON/OFF	setting display processing Perform Suppress setting display ON/OFF	Item Number	ON/OFF setting.  1. Enter item number in USER to display suppression ON/OFF setting.	Whether suppression ON/OFF setting is
	setting end processing Suppress setting display ON/OFF	setting end processing Perform Suppress setting display ON/OFF	Whether suppression ON/OFF setting is	Turnon FRAM write start flag.     Input item whether to display suppression ON/OFF setting in USER.	displayed in USER Item Number
req[5-8-5-3]	setting start processing Suppress setting display ON/OFF	setting start processing Perform Suppress setting display ON/OFF	displayed in USER None	Put ON/OFF replacement processing in item number.	Item Number
req[5-8-5-4]	setting ON/OFF selection processing Zero suppression ON/OFF setting	setting ON/OFF selection processing Zero subs ON/OFF setting gas change ESCAP	Item Number	When the item number is the maximum value, turn on the confirmation result.	Check result
req[5-8-5-5]	gas change ESCAP display is confirmed	display or confirm	Tom Full Do	Return the confirmation result.	O'ILON ICOUR
req[5-8-5-6]	Zero suppression ON/OFF setting gas selection display	Perform zero suppression ON/OFF setting gas selection display	Item Number	When gas is selected, copy the variable related to the zero subs ON/OFF setting.     If gas is not selected, create character data corresponding to the zero subs ON/OFF.	None
	Zero suppress ON/OFF setting display processing	Perform zero suppress ON/OFF setting display processing	Item Number	If aas is not selected, create character data corresponding to the zero subs ON/OFF     Toreate character data corresponding to zero subs ON/OFF setting.     If an arracter data.	Flashing concentration
req[5-8-5-7]		,		Assign gas name / unit corresponding to zero subs ON/OFF setting.	
req[5-8-5-8]	Zero suppression ON/OFF setting gas selection start processing	Perform zero suppression ON/OFF setting gas selection start processing	Gas setting	Set item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[5-8-5-9]	Zero suppress ON/OFF setting selection start processing	Perform zero suppress ON/OFF setting selection start processing	Suppress ON/OFF setting	Insert suppression ON/OFF setting in item number.	Item Number
req[5-8-5-10]	Zero suppression ON/OFF setting gas change	Perform zero suppression ON/OFF setting gas change	Item Number Up / down change of numerical value	If the up / down numeric value change setting is OFF, move the item upward.     If the up / down change setting of the number is ON, move the item downward.	Item Number
	Zero suppression ON/OFF setting	Perform zero suppression ON/OFF setting display	Gas setting None	Accept the numerical value of 1. 1 or 0 and put the ON/OFF swapping process in	Item Number
req[5-8-5-11]	display item selection processing  Zero suppress ON/OFF setting end	item selection processing Perform zero suppress ON/OFF setting end	Gas setting	the item number.  1. Insert item number in suppression ON/OFF setting.	Suppress ON/OFF setting
req[5-8-5-12]	processing	processing	Item Number	Turnon FRAM write start flag.	Suppress Of Of Fashing
	Count setting for backlight at USB disconnection	Performs backlight count setting process at USB disconnection	ON/OFF setting flag	When the ON/OFF setting flag is ON, the USB disconnection count is set to 3 minutes and the PC disconnection flag set is set ON.	USB cut count
req[6-1-1-1]	uiscomecton	disconnection		2. When the ON/OFF setting flag is OFF, the USB disconnection count is set to 0 minute and the PC disconnection flag set is set OFF.	
req[6-1-1-2]	Forcibly turn off the backlight LCD backlight timer reset processing	Perform forced OFF processing of backlight Perform LCD backlight timer reset processing	ON/OFF setting flag	Insert the ON/OFF setting flag into the backlight forced OFF flag.     Initialize LCD backlight timer.	Backlight forced OFF flag None
req[6-1-1-3] req[6-1-1-4]	Clear LCD display data	Clear display data of LCD	None None	LCD_NORMAL Clears display data.	None
	LCD back lighting processing	Perform LCD back lighting processing	Backlight timer USB cut count	<ol> <li>When measurement is in progress or in display mode, execute the following processing 2 to 4.</li> </ol>	None
			Stealth setting Backlight forced OFF flag	When the backlight timer is 0, the backlight ON/OFF setting flag is turned off.     When the backlight timer is not 0, turn on the backlight ON/OFF setting flag.	
req[6-1-1-5]				If gas alarm is in progress, turn the backlight ON and reset the LCD backlight timer.     In the case of the communication mode, stop the fault alarm announcement or	
				the fault alarm.  6. In the case of the stealth mode setting or the backlight forced off setting, turn off the backlight ON/OFF setting flag.	
	Dacklight forced liability	Set the Backlight Forced On flag for SDM	None	Lights the backlight of LCD_NORMAL.	Backlight forced lighting flag for SDM
req[6-1-1-6]	Backlight forced lighting process for SDM		None	Set SDM Backlight Forced On Flag ON.	
req[6-1-2-1]	Backlight time setting display processing	Perform backlight time setting display processing	Item Number	Convert the numerical value corresponding to backlight time setting to character data and copy the variable.     Flash character data.	Maintenance character flashing
req[6-1-2-2]		Perform backlight time setting end processing	Item Number	Insert item number in backlight lighting time.     Turnon FRAM write start flag.	Backlight lighting time
req[6-1-2-3]	Backlight time setting start processing	Perform backlight time setting start processing	Backlight lighting time	Put the backlight lighting time in the item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[6-1-2-4]	Backlight time setting display item selection processing	Perform backlight time setting display item selection processing	None	Include increment / decrement of numerical value in item number.	Item Number
req[6-2-2-1]	Operation sound ON/OFF setting display processing	Perform operation sound ON/OFF setting display processing	None	Create display of ON/OFF setting menu corresponding to operation sound ON/OFF setting	None
req[6-2-2-2]	Operation sound ON/OFF setting end processing	Perform operation sound ON/OFF setting end processing	Item Number	Insert item number into key operation sound ON/OFF setting.     Turnon FRAM write start flag.	Key operation sound ON/OFF setting
req[6-2-2-3]	Operation sound ON/OFF setting start processing	Perform operation sound ON/OFF setting start processing	Key operation sound ON/OFF setting	Put key operation sound ON/OFF setting in item number.	Item Number
req[6-2-2-4]	Operation sound ON/OFF setting display item selection processing	Operation sound ON/OFF setting Display item selection processing is performed	None	Accept the numerical value of 1. 1 or 0 and put the ON/OFF swapping process in the item number.	Item Number
	1 sec interruption of the confirmation	Perform 1 sec interruption processing of the confirmation beep	1 second count for beeps Confirmation beep time setting	I. If the beeper 1 second count is 0 and the confirmation beep time setting is 0 in the measurement or display mode, the beep use 1 second count is set to 30.	1 second count for beeps
req[6-3-1-1]	beep	communication beep	Commitmation beep time setting	During measurement or display mode, the beep use 1 second count is set to 50.      During measurement or display mode, if the 1-second beep count is not 0 count down the 1-second beep count.	
	Confirmation beep operation start processing	Perform confirmation beep operation start processing	Confirmation beep selection	1. If the confirmation is only LED lighting, only buzzer sound, either LED lighting or buzzer	None
req[6-3-1-2]	processing	processing		sound, turn on the corresponding short buzzer.  2. If the confirmation is BUMP / CAL, if either of the following conditions 3 to 4 is satisfied, turn on the short buzzer corresponding to BUNP / CAL.	
				The BUMP time limit function is on and it has expired.     The calibration time limit function is on and it has expired.	
	Active flag update process for NCI deadline	Update the active flag related to the NCI deadline	Confirmation beep setting Bump deadline function setting	Set the local flag to OFF.     When the confirmation beep setting is [BUMP / CAL] or [BUMP / CAL / ALARM]	NCI active flag
req[6-3-1-3]			Bump expired flag Calibration deadline function setting	perform the following processing 3 to 5.  3. If the bump expiration function is ON and the bump is expired, set the local flag to ON.	
			Calibration expired flag	<ol> <li>If the calibration expiration function is ON and calibration is expired, set the local flag to ON.</li> </ol>	
	Active flag update process	Update the active flag for NCI alert	Confirmation beep setting	If the local flag is ON, set the NCI active flag to ON.     Set the local flag to OFF.	NCI active flag
req[6-3-1-4]	for NCI alert		Gas setting Failure status	If the following conditions 3 to 5 are satisfied, set the local flag to ON.     The confirmation beep setting is [ALARM ALERT] or [BUMP / CAL / ALARM].	·
164[0-0-1-4]			Alarm status	Gas setting is ON and not broken.     Alarm has been issued.	
<u> </u>	NCI active flag bump calibration	Update NCI's active flag to bump calibrated	Gas channel	NCI active flag if the local flag is ON.     Perform 2 if the selected gas active flag is not OFF.	Selected gas active flag
req[6-3-1-5]	update process		History download setting Selected gas active flag	If the history download setting is ON, the process 3 is performed. In the case of OFF, the processing of 4 is performed.     Consequently developed the performed.	
	NO Asia Florida	Hedeta NCPa cellar for the Name	Antice flow for all fire	Change selected gas's active flag to bumped.     Change selected gas active flag to OFF.	A salva flor for all 5 :
req[6-3-1-6]	NCI Active Flag History Downloaded	Update NCI's active flag to history downloaded	Active flag for all five gas species	Perform 2 on the active flag of all five gas species.     If the active flag has already been bumped, set the active flag to OFF.	Active flag for all five gas species
req[6-3-1-7]	NCI active flag ON processing	Update NCI's active flag to ON	Gas number	Perform 2 on the active flag of all five gas species.	Active flag for all five gas species
-4011				<ol><li>In case of valid gas type (number), process 3.</li></ol>	
		Dutan PEED at a		In case of valid gas type (number), process 3.     If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON.	
req[6-3-2-1]	BEEP selection setting display processing	Perform BEEP selection setting display processing	Item Number	In case of valid gas type (number), process 3.     If the selected gas type (number) is not an H2 compensated CO sensor,	Maintenance character flashing
req[6-3-2-1]	processing	Perform BEEP selection setting display processing  Perform BEEP time setting display processing	Item Number Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data.	Maintenance character flashing  Maintenance character flashing
req[6-3-2-1]	processing	3.4.31		2. In case of valid gas type (number), process 3.  3. If the selected gas type (number) is not an HZ compensated CO sensor, set the active flag to OM.  1. Create character data corresponding to BEEP selection setting.  2. Flash character data.	
req[6-3-2-2]	processing BEEP time setting display processing	3.4.31		2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP time setting. 2. Convert numeric value corresponding to BEEP time setting. 3. Flash character data. 1. Put the item number in the confirmation beep selection.	
req[6-3-2-2]	processing BEEP time setting display processing	Perform BEEP time setting display processing	Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data.  1. Create character data corresponding to BEEP time setting. 2. Convert numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 4. Put the item number in the confirmation beep selection. 2. Turnon FRAM write start flag. 1. Put the tem number in the confirmation beep time setting.	Maintenance character flashing
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4]	processing  BEEP time setting display processing  BEEP selection setting and processing  BEEP time setting and processing  BEEP time setting and processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing	Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an HZ compensated CO sensor, set the active flag to ON.  1. Create character data corresponding to BEEP selection setting.  2. Flash character data corresponding to BEEP sime setting.  1. Create character data corresponding to BEEP time setting.  2. Convert numeric value corresponding to BEEP time setting to character data.  3. Flash character data.  1. Put the item number in the confirmation beep selection.  2. Tumon FRAM write start flag.  1. Put the item number in the confirmation beep time setting.  2. Tumon FRAM write start flag.  1. Initialize item number.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4] req[6-3-2-5]	processing BEEP time setting display processing BEEP selection setting end processing BEEP time setting end processing BEEP setting mode menu start processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing	Item Number  Item Number  Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an HZ compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data corresponding to BEEP time setting. 1. Create character data corresponding to BEEP time setting. 2. Convent numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 1. Pit the item number in the confirmation beep selection. 2. Turnon FRAM write start flag. 1. Fut the item number in the confirmation beep time setting. 2. Turnon FRAM write start flag. 3. Initialize item number. 4. Initialize item number. 5. Turnof IPAM prounder. 5. Turnof IPAM prounder. 6. Initialize item number. 6. Turnof turnof top down numerical value setting. 7. Confirmation peep selection in item number.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value Item Number
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4] req[6-3-2-5] req[6-3-2-6]	DEEP selection setting display processing BEEP selection setting end processing BEEP selection mode menu start processing BEEP selection setting start processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing  Perform BEEP setting mode menu start processing	Item Number  Item Number  Item Number  Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP time setting. 2. Convent numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 3. Flash character data. 1. Put the item number in the confirmation beep selection. 2. Turnon FRAM write start flag. 1. Put the item number in the confirmation beep time setting. 1. Put the item number in the confirmation beep time setting. 1. Initialize item number. 1. Initialize item number. 2. Turnon FRAM over the start flag. 1. Initialize item number. 2. Turnon FRAM over the start flag. 3. Initialize item number.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4] req[6-3-2-5] req[6-3-2-6] req[6-3-2-7]	BEEP time setting display processing BEEP selection setting end processing BEEP time setting end processing BEEP setting mode menu start processing BEEP selection setting start processing BEEP selection setting start processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP time setting start processing	Item Number  Item Number  Item Number  None  Confirmation beep selection	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP time setting. 2. Convent numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 3. Flash character data. 1. Put the item number in the confirmation beep selection. 2. Tumon FRAM write start flag. 1. Put the item number in the confirmation beep time setting. 1. Initiatize item number. 2. Tumon FRAM write start flag. 1. Initiatize item number. 2. Tumof typ John numerical value setting. 1. Confirmation Beep selection in item number. 2. Change the number up and down. 1. Confirmation beep time setting in item number. 2. Tumof up John numerical value setting. 1. Crange the number up and down. 1. Confirmation beep time setting in item number. 2. Tumoff up John numerical value setting.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4] req[6-3-2-5] req[6-3-2-6] req[6-3-2-7] req[6-3-2-8]	BEEP selection setting display processing BEEP time setting display processing BEEP selection setting end processing BEEP setting mode menu start processing BEEP selection setting start processing BEEP selection setting start processing BEEP setting mode menu item selection processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP time setting start processing  Perform BEEP setting mode menu item selection processing	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP time setting. 2. Convent numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 3. Flash character data. 1. Put the item number in the confirmation beep selection. 2. Turnon FRAM write start flag. 1. Put the item number in the confirmation beep time setting. 1. Initialize item number. 2. Turnon FRAM write start flag. 1. Initialize item number. 2. Turnof typ / down numerical value setting. 1. Confirmation Beep selection in item number. 2. Change the number up and down numerical. 1. Confirmation beep time setting item number. 2. Turnof typ / down numerical value setting. 1. Include increment / decrement of numerical value in item number. 2. Turnof up / down numerical value setting. 1. Include increment / decrement of numerical value in item number.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4] req[6-3-2-5] req[6-3-2-6] req[6-3-2-7]	BEEP selection setting display processing BEEP time setting display processing BEEP selection setting end processing BEEP setting mode menu start processing BEEP selection setting start processin BEEP selection setting start processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu item selection processing  Perform BEEP selection setting display item selection processing	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP time setting. 2. Crowert numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 3. Flash character data. 1. Put the item number in the confirmation beep selection. 2. Tumon FRAM write start flag. 1. Put the item number in the confirmation beep time setting. 1. Put the item number in the confirmation beep time setting. 1. Initiatize item number. 2. Tumon FRAM write start flag. 1. Initiatize item number. 2. Tumoff up down numerical value setting. 1. Confirmation Beep selection in item number. 2. Change the number up and down numerical value setting. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Item Number  Item Number  Item Number
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4] req[6-3-2-5] req[6-3-2-6] req[6-3-2-7] req[6-3-2-8]	BEEP stime setting display processing BEEP selection setting end processing BEEP selection setting end processing BEEP setting mode menu start processing BEEP selection setting start processin BEEP selection setting start processin BEEP selection setting start processing BEEP setting mode menu item selection processing BEEP selection setting display item selection processing BEEP item setting display item selection processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing  Perform BEEP time setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu item selection processing  Perform BEEP selection setting display item selection processing	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None  None	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP time setting. 2. Crowert numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 3. Flash character data. 4. Put the item number in the confirmation beep selection. 2. Tumon FRAM write start flag. 1. Put the item number in the confirmation beep time setting. 1. Put the item number in the confirmation beep time setting. 1. Initiatize item number. 2. Tumon FRAM write start flag. 1. Initiatize item number. 2. Tumoff up / down numerical value setting. 1. Confirmation Beep selection in item number. 2. Change the number up and down numerical value setting. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number  Item Number  Item Number  Item Number
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4] req[6-3-2-5] req[6-3-2-6] req[6-3-2-8] req[6-3-2-9]	BEEP time setting display processing BEEP selection setting end processing BEEP time setting end processing BEEP setting mode menu start processing BEEP setting mode menu start processing BEEP selection setting start processin BEEP setting mode menu item selection processing BEEP setting mode menu item selection processing BEEP selection setting display item selection processing BEEP setting mode menu display item selection processing BEEP setting mode menu display item selection processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu display item selection processing  Perform BEEP setting mode menu display processing  Perform BEEP setting mode menu display processing  Perform BEEP setting mode menu display processing	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None  None  Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data 1. Create character data corresponding to BEEP time setting. 2. Convent numeric value corresponding to BEEP time setting to character data. 3. Flash character data 3. Flash character data. 4. Put the item number in the confirmation beep selection. 2. Tumon FRAM write staff flag. 1. Put the item number in the confirmation beep time setting. 1. Put the item number in the confirmation beep time setting. 1. Initiatize item number. 2. Tumon FRAM write staff flag. 1. Initiatize item number. 2. Tumoff up / down numerical value setting. 1. Confirmation Beep selection in item number. 2. Change the number up and down numerical value setting. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number  Maintenance letter
req[6-3-2-2] req[6-3-2-3] req[6-3-2-4] req[6-3-2-6] req[6-3-2-6] req[6-3-2-7] req[6-3-2-8] req[6-3-2-9]	BEEP stime setting display processing BEEP selection setting end processing BEEP selection setting end processing BEEP setting mode menu start processing BEEP selection setting start processin BEEP selection setting start processin BEEP selection setting start processing BEEP setting mode menu item selection processing BEEP selection setting display item selection processing BEEP setting mode menu display processing NCI active flag forced stop processing NCI active flag forced stop processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP selection setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu stem selection processing  Perform BEEP setting mode menu display item selection processing  Perform BEEP setting mode menu display processing  Perform BEEP setting mode menu display  Perform BEEP setting mode menu display  Set the NCI active flag to OFF	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None  None  Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP selection setting. 2. Crowert numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 3. Flash character data. 4. Put the item number in the confirmation beep selection. 2. Tumon FRAM write start flag. 1. Put the item number in the confirmation beep time setting. 1. Put the item number in the confirmation beep time setting. 1. Initiatize item number. 2. Tumon FRAM write start flag. 1. Initiatize item number. 2. Tumoff up down numerical value setting. 1. Confirmation Beep selection in item number. 2. Change the number up and down numerical value setting. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 2. Set the active flag to OFF. 2. Set the active flag to OFF. 2. Set the active flag to OFF.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number  Item Number  Item Number  Item Number
req[6-3-2-2] req[6-3-2-4] req[6-3-2-4] req[6-3-2-6] req[6-3-2-6] req[6-3-2-8] req[6-3-2-7] req[6-3-2-1] req[6-3-2-1]	BEEP time setting display processing BEEP selection setting end processing BEEP time setting end processing BEEP setting mode menu start processing BEEP setting mode menu start processing BEEP selection setting start processin BEEP setting mode menu item selection processing BEEP setting mode menu item selection processing BEEP selection setting display item selection processing BEEP setting mode menu display item selection processing BEEP setting mode menu display item selection processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu display item selection processing  Perform BEEP setting mode menu display processing  Perform BEEP setting mode menu display processing  Perform BEEP setting mode menu display processing	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None  None  Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an HZ compensated CO sensor, set the active flag to OM.  7. If the selected gas type (number) is not an HZ compensated CO sensor, set the active flag to OM.  8. Flash character data corresponding to BEEP selection setting.  9. Flash character data corresponding to BEEP time setting.  9. Convent number is due corresponding to BEEP time setting.  9. Flash character data.  9. Flash character data.  9. Flash character data.  1. Flut the team number in the confirmation beep selection.  1. Tumon FRAM write start flag.  1. Flut the team number in the confirmation beep time setting.  1. Tumon FRAM write start flag.  1. Initialize izem number.  2. Tumon FRAM write start flag.  1. Confirmation beep selection in item number.  2. Change the number up and down.  1. Confirmation beep time setting in item number.  2. Tumoff up / down numerical value setting.  1. Include increment / decrement of numerical value in item number.  1. Include increment / decrement of numerical value in item number.  1. Include increment / decrement of numerical value in item number.  1. Include increment / decrement of numerical value in item number.  1. Include increment / decrement of numerical value in item number.  1. Include increment / decrement of numerical value in item number.  1. Include increment / decrement of numerical value in item number.  1. Include increment / decrement of numerical value in item number.  1. Perform 2 on the active flag of all five gas species.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number  Maintenance letter
rea[6-3-2-2] rea[6-3-2-3] rea[6-3-2-4] rea[6-3-2-6] rea[6-3-2-7] rea[6-3-2-10] rea[6-3-2-11] rea[6-3-2-12]	processing BEEP time setting display processing BEEP selection setting end processing BEEP setting mode menu start processing BEEP setting mode menu start processing BEEP setting mode menu item selection setting start processing BEEP setting mode menu item selection processing BEEP setting mode menu item selection processing BEEP setting mode menu item selection processing BEEP setting display item selection processing BEEP setting mode menu display processing NCI active flag forced stop processing Lunch break ON/OFF setting display	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP selection setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP setting mode menu start processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting display item selection processing  Perform BEEP setting setting display item selection processing  Perform BEEP setting mode menu display processing  Set the NICI active flag to OFF  Perform Income and selection setting display processing	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None  None  Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP selection setting. 2. Crowert numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 3. Flash character data. 4. Put the item number in the confirmation beep selection. 2. Tumon FRAM write start flag. 1. Put the item number in the confirmation beep time setting. 1. Put the item number in the confirmation beep time setting. 1. Initiatize item number. 2. Tumon FRAM write start flag. 1. Initiatize item number. 2. Tumoff up down numerical value setting. 1. Confirmation Beep selection in item number. 2. Change the number up and down numerical value setting. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 2. Set the active flag to OFF. 2. Set the active flag to OFF. 2. Set the active flag to OFF.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number  Item Number  Item Number  Item Number  Item Number  Active flag for all five gas species
rea[6-3-2-2] rea[6-3-2-3] rea[6-3-2-4] rea[6-3-2-6] rea[6-3-2-6] rea[6-3-2-7] rea[6-3-2-8] rea[6-3-2-10] rea[6-3-2-11] rea[6-3-2-12] rea[6-4-1-1]	BEEP time setting display processing BEEP lime setting display processing BEEP lime setting end processing BEEP setting mode menu start processing BEEP setting mode menu start processing BEEP setting mode menu item selection processing BEEP setting mode menu item selection processing BEEP setting display item selection processing BEEP setting display item selection processing BEEP setting display item selection processing NCI active file glored stop processing Lunch break ON/OFF setting display processing	Perform BEEP selection setting display processing  Perform BEEP selection setting end processing  Perform BEEP selection setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu item selection processing  Perform BEEP setting mode menu display item selection processing  Perform BEEP setting display item selection processing  Set the NCI active flag to OFF  Perform Inch break ONOFF setting display processing  Perform Inch break ONOFF setting display processing  Perform Inch break ONOFF setting display processing	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None  Item Number  None  None  None  None  None	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an HZ compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP time setting. 2. Convent number is dual corresponding to BEEP time setting. 2. Convent number is the confirmation beep selection. 3. Flash character data. 4. Flash character data. 5. Flash character data. 7. I flash the team number in the confirmation beep selection. 7. I flash the team number in the confirmation beep time setting. 7. I flash the team number in the confirmation beep time setting. 7. I flash the team number in the confirmation beep time setting. 7. I more flash write start flag. 7. I more flash write start flag. 8. I reliable starting. 8. I confirmation beep selection in item number. 9. I more flash confirmation and the starting of the starting	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number  Item Number  Item Number  Item Number  Item Number  Active flag for all five gas species  None
rea[6-3-2-2] rea[6-3-2-4] rea[6-3-2-4] rea[6-3-2-6] rea[6-3-2-6] rea[6-3-2-6] rea[6-3-2-6] rea[6-3-2-10] rea[6-3-2-11] rea[6-3-1-1] rea[6-4-1-1]	BEEP time setting display processing BEEP time setting end processing BEEP selection setting end processing BEEP setting mode menu start processing BEEP setting mode menu start processing BEEP setting start processing BEEP setting mode menu item selection processing BEEP setting mode menu item selection processing BEEP selection setting display item selection processing BEEP selection setting display item selection processing BEEP setting mode menu display processing Lunch break ON/OFF setting display processing Lunch break ON/OFF setting end processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP time setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP selecting mode menu item selection processing  Perform BEEP selection setting display arem selection processing  Perform BEEP selection setting display item selection processing  Set the NCI active flag to OFF  Perform lunch break ONOFF setting display processing  Perform lunch break ONOFF setting display processing  Perform lunch break ONOFF setting end processing	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None  Item Number  None  Item Number  None  Item Number  Item Number	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data. 1. Create character data corresponding to BEEP time setting. 2. Crowert numeric value corresponding to BEEP time setting to character data. 3. Flash character data. 1. Put the item number in the confirmation beep selection. 2. Turnor RAM write start flag. 1. Put the item number in the confirmation beep time setting. 2. Turnor RAM write start flag. 1. Instituzio item number. 2. Turnor RAM down numerical value setting. 1. Confirmation Beep selection in item number. 2. Change the number up and down numerical value setting. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number. 1. Include increment / decrement of numerical value in item number.	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Item Number  Item Number  Item Number  Item Number  Active flag for all five gas species  None  Lunch break ON/OFF setting
rea[6-3-2-2] rea[6-3-2-3] rea[6-3-2-4] rea[6-3-2-6] rea[6-3-2-6] rea[6-3-2-6] rea[6-3-2-6] rea[6-3-2-10] rea[6-3-2-11] rea[6-3-1-1] rea[6-4-1-2] rea[6-4-1-3]	BEEP time setting display processing BEEP time setting display processing BEEP selection setting end processing BEEP setting mode menu start processing BEEP setting mode menu start processing BEEP setting start processing BEEP setting start processing BEEP setting mode menu item selection processing BEEP setting mode menu item selection processing BEEP imm setting display item selection processing BEEP setting mode menu display processing BEEP setting mode menu display processing Lunch break ON/OFF setting display processing Lunch break ON/OFF setting end processing	Perform BEEP time setting display processing  Perform BEEP selection setting end processing  Perform BEEP selection setting end processing  Perform BEEP setting mode menu start processing  Perform BEEP setting mode menu start processing  Perform BEEP selection setting start processing  Perform BEEP selection setting start processing  Perform BEEP setting mode menu item selection processing  Perform BEEP selection setting display item selection processing  Perform BEEP setting mode menu display item selection processing  Perform BEEP setting mode menu display processing  Set the NCI active flag to OFF  Perform lunch break ON/OFF setting display processing  Perform lunch break ON/OFF setting end processing  Perform lunch break ON/OFF setting start process  Perform lunch break ON/OFF setting start process	Item Number  Item Number  Item Number  Item Number  None  Confirmation beep selection  Confirmation beep time setting  None  None  Item Number  None  Item Number  None  Item Number  Lunch break ON/OFF setting	2. In case of valid gas type (number), process 3. 3. If the selected gas type (number) is not an H2 compensated CO sensor, set the active flag to ON. 1. Create character data corresponding to BEEP selection setting. 2. Flash character data 1. Create character data corresponding to BEEP selection setting. 2. Flash character data 1. Create character data corresponding to BEEP time setting. 2. Crowert numeric value corresponding to BEEP time setting to character data. 3. Flash character data 1. Put the item number in the confirmation beep selection. 2. Turnor RAM write start flag. 1. Put the item number in the confirmation beep time setting. 2. Turnor RAM write start flag. 1. Instituzio item number. 2. Turnor RAM down numerical value setting. 1. Include increment processes the setting of the processes of the proc	Maintenance character flashing  Confirmation beep selection  Confirmation beep time setting  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Up / down change of numerical value  Item Number Item Number  Item Number  Item Number  Active flag for all five gas species  None  Lunch break ON/OFF setting  Item Number

	FRAM lunch break data is divided into specified bytes and written	Divide FRAM lunch break data into designated bytes and write	Numerical value of surface (A side B side) Structure size of lunch break	Insert the inverted value of FRAM_DATA in fram_back.     Initialize pointer.	judgment result
req[6-4-2-1]			Number of writes	Specify the side to be written.     Write data.     Write data.     In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data.	
				Mailting the write count.  Return data write.  Return data write.	
	FRAM lunch break data update execution processing	Perform FRAM launch break data update execution processing	FRAM setting data size Number of writes	Substitute FRAM setting data size.     Substitute the program number.	For face setting (lunch break) judgment result
	execution processing	processing	FRAM lunch break SUM calculation result	Copy the program number.     Check SUM Update.	Judgment result
req[6-4-2-2]				5. Reverse the A / B side of the rewriting surface. 6. When it is the A side, write on the A side.	
				7. When it is the B side, write on the B side. 8. If the face is unknown, write on both sides.	
	FRAM write processing of lunch break data	Perform FRAM write processing of lunch break data	Main unit error status minimum value	<ol> <li>If both ROM / RAM / FRAM are normal and measurement is in progress or in display mode, execute the following processing 2 to 8.</li> </ol>	minimum value Maximum value
			Maximum value Minus flag	Put the current concentration in the minimum and maximum values.     Insert the current flag into the minus flag of the minimum value and the minus flag	Minus flag Occurrence time
req[6-4-2-3]			Occurrence time The integrated value of the average value	of the maximum value. 4. Enter current time in occurrence time.	The integrated value of the average value every 60 seconds
			every 60 seconds Average value over all measurement time Integrated value from the start of	Initialize the integrated value of the average value every 60 seconds.     Initialize the average value over all measurement time.     Initialize the integrated value from the start of measurement.	Average value over all measurement time Integrated value from the start of measurement
			measurement TWA value	Initialize TWA value.      Returns FRAM launch break data update execution processing.	TWA value
	Resume execution confirmation display	Display the resume execution confirmation	None	Acquire timeout time.     Convert to seconds.	None
req[6-4-3-1]				Create character data corresponding to resume execution confirmation.     Convert the numerical value corresponding to resume execution confirmation into	
				character data.	
req[6-4-3-2]	Resume execution error display	Display resume execution error	None	Create character data corresponding to resume execution abnormality.	None
req[6-4-3-3]	Resume invalid display	Display resume invalid	None	Create character data corresponding to invalid resume.	None
req[6-4-3-4]	Resume execution display	Display the resume execution	None	Create character data corresponding to resume execution.	None
req[6-4-3-5]	Save ON/OFF flag of resume FRAM lunch break data LOAD	Resume ON/OFF setting flag save processing Perform FRAM lunch break data LOAD processing	ON/OFF flag of resume Write name number	Put the ON/OFF setting flag in the resume ON/OFF flag.     Read FRAM lunch break data 2 sides.	ON/OFF flag of resume judgment result
	processing	, , , , , , , , , , , , , , , , , , , ,	Surface setting (for lunch break)	Match write process.     Compare which side is the latest.	
req[6-4-4-1]				Write on the old side.     If you do not know which side is the latest, write on both sides.	
<del></del>	FRAM read processing of lunch	Perform FRAM read processing of lunch break data	OK / NG flag of whether it was able to read	Return judgment result.      OK / NG flag on whether FRAM can be normally read is set to OK.	OK / NG flag of whether it was able to read
req[6-4-4-2]	break data		normally	<ol><li>If the FRAM lunch break data is readable, the OK / NG flag of whether FRAM can be normally read is set to NG.</li></ol>	normally
req[6-4-4-3]	Lunch break status acquisition processing	Acquire lunch break status processing	None	Return OK / NG flag of whether it was able to read normally.	OK / NG flag of whether it was able to read normally
]	Write lunch break data to processing buffer	Writes lunch break data to processing buffer	Whether to execute lunch break or not ON/OFF flag	If the resume of lunch break is on and data can be normally read out of FRAM, execute the following processing 2 to 4.	minimum value Maximum value
			OK / NG flag of whether it was able to read normally	Put the current concentration in the minimum and maximum values.     Insert the current flag into the minus flag of the minimum value and the minus flag of	Minus flag Occurrence time
roof6 4 4 **			minimum value Maximum value Minus flag	the maximum value. 4. Enter current time in occurrence time. 5. Initialize the integrated value of the average value every 60 seconds.	The integrated value of the average value every 60 seconds Average value over all measurement time
req[6-4-4-4]			Minus flag Occurrence time The integrated value of the average value	Initialize the integrated value of the average value every 60 seconds.     Initialize the average value over all measurement time.     Initialize the integrated value from the start of measurement.	Average value over all measurement time Integrated value from the start of measurement
			every 60 seconds Average value over all measurement time	8. Initialize TWA value.	TWA value
			Integrated value from the start of measurement		
req[6-5-1-1]	Confirm ON/OFF of ID display setting ID display ON/OFF setting display	Confirm ON/OFF of ID display setting Perform ID display ON/OFF setting display	None None	Return ID display ON/OFF setting.     Create display of ON/OFF setting menu corresponding to ID display ON/OFF setting.	ID display ON/OFF setting None
req[6-5-1-2]	processing ID display ON/OFF setting end	processing Perform ID display ON/OFF setting end	Item Number	Insert item number into ID display ON/OFF setting.	ID display ON/OFF setting
req[6-5-1-3]	processing  ID display ON/OFF setting start	processing Perform ID display ON/OFF setting start	ID display ON/OFF setting	Turnon FRAM write start flag.     Insert ID display ON/OFF setting in item number.	Item Number
req[6-5-1-4]	ID display ON/OFF setting ON/OFF	processing Perform ID display ON/OFF setting ON/OFF	None	Put ON/OFF replacement processing in item number.	Item Number
	selection processing Station ID setting display processing	selection processing Perform Station ID setting display processing	None	Create character data corresponding to station ID setting.	Maintenance character flashing
req[6-5-2-1]				Flash character data.	
req[6-5-2-2]	Station ID setting end processing	Perform Station ID end display processing	Item Number	Place the item number in the selected position of the station ID.     Turnon FRAM write start flag.	Station ID selection position
req[6-5-2-3]	Station ID setting start processing	Perform Station ID start display processing	Station ID selection position	Put the selection position of the station ID in the item number.     Turnoff up / down numerical value setting.	Item Number
req[6-5-2-4]	Station ID setting display item selection processing	Perform Station ID setting display item selection processing	None	Include increment / decrement of numerical value in item number.	Item Number
req[6-5-3-1]	User ID setting display processing	Perform User ID setting display processing	None	Create character data corresponding to user ID setting.     Flash character data.	Maintenance character flashing
req[6-5-3-2]	User ID setting end processing	Perform User ID setting end processing	Item Number	Place the item number in the selection position of the user ID.     Turnon FRAM write start flag.	User ID selection position
req[6-5-3-3]	User ID setting start processing	Perform User ID setting start processing	User ID selection position	Insert selection position of user ID in item number.     Turnoff up / down numerical value setting.	Item Number
req[6-5-3-4]	User ID setting display item selection				
	processing	Perform User ID setting display item selection	None	Include increment / decrement of numerical value in item number.	Item Number
req[6-6-1-1]	processing FRAM default success confirmation	processing Perform FRAM default success confirmation	None		Item Number  Default execution result
	processing FRAM default success confirmation processing FRAM default end confirmation	processing	None  None  Default request flag	Include increment / decrement of numerical value in item number.     Returns the default execution result.     If the default request flag is not defaulted, return off.	Item Number  Default execution result  judgment result
req[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform default processing of FRAM's	None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  1. Default processing of FRAM default abnormal incl., return off.	Default execution result
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3]	processing FRAM default success confirmation processing FRAM default end confirmation processing	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing	None Default request flag	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data.	Default execution result judgment result
req[6-6-1-2] req[6-6-1-3] req[6-6-1-4] req[6-6-1-5]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM default start processing	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing	None Default request flag Structure to set up Structure to set up None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  2. Default processing of FRAM dear for gas_calc. c.  2. Default processing of FRAM dear for data_defaulted.c.  2. Default processing of FRAM SCH, DATA area.  2. Default processing of FRAM SCH of the default request flag.	Default execution result judgment result None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-4] req[6-6-1-5] req[6-6-1-6]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM main loop default processing Default processing FRAM default start processing FRAM default start processing	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM default start processing Perform FRAM processing of FRAM data for	None Default request flag Structure to set up Structure to set up	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM for for data, detector. c.  1. Default processing of FRAM for for data, deposit.  2. Default processing of FRAM for for data, logger. c.	Default execution result judgment result None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-4] req[6-6-1-5] req[6-6-1-6]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM default processing Default processing FRAM default start processing FRAM default of start of the	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM to default start processing Perform Default processing of FRAM data for station 10 data Perform default processing of FRAM data for	None Default request flag Structure to set up Structure to set up None Default request flag	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  1. Default processing of FRAM data for gas, caic. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, detector. c.  2. Default processing of FRAM can be compared to the compar	Default execution result judgment result None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-4] req[6-6-1-5] req[6-6-1-6]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM default for default processing FRAM default processing of FRAM default	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform RAM default end confirmation processing Perform RAM default processing Perform FRAM default processing Perform FRAM default start processing Perform FRAM main loop default processing Perform Default processing of FRAM data for station ID data	None Default request flag Structure to set up Structure to set up None Default request flag None None Address setting of FRAM data for main body	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  1. Default processing of FRAM data for gas, caic. c.  2. Default processing of FRAM data for gas, caic. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, detector, c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing corresponding to the default phase.  1. Perform default processing of FRAM data for station ID data.	Default execution result judgment result None None None None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-4] req[6-6-1-5] req[6-6-1-6] req[6-6-1-7] req[6-6-1-8]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM main loop default processing FRAM default processing	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM main loop default processing of FRAM data for station ID data Perform Default processing of FRAM data for user ID data Perform default processing of FRAM data for body data Perform default processing of FRAM data for body data Perform default processing of FRAM data for body data	Default request flag Structure to set up Structure to set up Structure to set up None Default request flag None Address setting of FRAM data for main body data Address setting of FRAM data for main body	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default processing of FRAM did for gas, calc. c.  2. Default processing of FRAM did for data, detector. c.  1. Default processing of FRAM did for did at, detector.  2. Default processing of FRAM did for did at, detector.  1. Insert FRAM did at initialization into default request flag.  1. Perform default processing of FRAM data for station ID data.  1. Default processing of FRAM did for user ID data.  1. Default processing of FRAM did for user ID data.	Default execution result judgment result None None None None None None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-4] req[6-6-1-5] req[6-6-1-6] req[6-6-1-7] req[6-6-1-8] req[6-6-1-9]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM main loop default processing FRAM default start processing FRAM default start processing FRAM default	processing Perform FRAM default success confirmation processing Perform FRAM default and confirmation processing Perform FRAM default and confirmation processing Perform RAM default processing Perform FRAM default processing Perform FRAM default start processing Perform FRAM main loop default processing Perform FRAM default start processing Perform FRAM default start processing Perform RAM default start processing Perform default processing of FRAM data for user ID data Perform address setting of FRAM data for user ID data	None Default request flag Structure to set up Structure to set up None Default request flag None Default request flag None Address setting of FRAM data for main body data	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is the default exported for the flag is the default represent of the flag is the flag	Default execution result judgment result None None None None None None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-2] req[6-6-1-3] req[6-6-1-4] req[6-6-1-5] req[6-6-1-6] req[6-6-1-7] req[6-6-1-9] req[6-6-1-10] req[6-6-1-11]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM main loop default processing FRAM default start processing FRAM default start processing FRAM default processing of FRAM default processing Default processing of FRAM data for pas data Default processing of FRAM data for pas data Default processing of FRAM data for Default processing Default proce	processing Perform FRAM default success confirmation processing Perform FRAM default and confirmation processing Perform FRAM default and confirmation processing Perform RAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform RAM default start processing Perform default processing of FRAM data for satisfied liberation default processing of FRAM data for sure ID data Perform address setting of FRAM data for body data Perform default processing of FRAM data for body data Perform default processing of FRAM data for body data	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Default request flag  None  Address setting of FRAM data for main body data  Address setting of FRAM data for main body data	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, delector. c.  1. Default processing of FRAM off. DATA area.  2. Default processing of FRAM off. DATA area.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data.  1. Perform default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Perform address setting of FRAM data for main body data.  1. Default processing of FRAM data for gas data.  1. Default processing of FRAM data for gas data.	Default execution result judgment result None None None None None None None None
rea[6-6-1-2] rea[6-6-1-2] rea[6-6-1-3] rea[6-6-1-4] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default start processing FRAM main loop default processing FRAM default processing FRAM default processing FRAM default processing FRAM default start processing FRAM default start processing FRAM default for start processing FRAM default start processing FRAM data for start on ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for gas data Default processing of FRAM data for gas data Default processing of FRAM default processing Default and display processing Default and display processing Default and display processing Default montal completion display Default montal completion display	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default end confirmation processing Perform RAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform RAM processing of FRAM data for satisfacts 10 data Perform default processing of FRAM data for sate 10 data Perform address setting of FRAM data for body data Perform default processing of FRAM data for gas data Display default confirmation processing	None Default request flag Structure to set up Structure to set up None Default request flag None Default request flag None Address setting of FRAM data for main body data Address setting of FRAM data for main body data None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, logger. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for station ID data.  1. Perform address processing of FRAM data for user ID data.  1. Perform address setting of FRAM data for user ID data.  1. Perform address setting of FRAM data for user ID data.  1. Default processing of FRAM data for gas data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.	Default execution result judgment result None None None None None None None None
rea[6-6-1-1] rea[6-6-1-2] rea[6-6-1-3] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-7] rea[6-6-1-10] rea[6-6-1-10] rea[6-6-1-10] rea[6-6-1-10]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM default processing FRAM default start processing Default processing of FRAM data for station 10 default processing Uniformation of the station of the station 10 data Address setting processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default confirmation display processing Default abnormal end display processing	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default start processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform GRAM processing of FRAM data for statistical to data Perform default processing of FRAM data for state ID data Perform default processing of FRAM data for body data Desplay default confirmation processing Display default confirmation processing Display default abnormal end processing	None Default request flag Structure to set up Structure to set up None Default request flag None Default request flag None Address setting of FRAM data for main body data Address setting of FRAM data for main body data None None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default processing of FRAM did for data, detector. c.  1. Default processing of FRAM did for data, detector. c.  1. Default processing of FRAM did for did plager. c.  1. Default processing of FRAM did for did plager. c.  1. Insert FRAM did processing of FRAM did for did plager. c.  1. Insert mediatul processing of FRAM did for did plager.  1. Perform default processing of FRAM did for user ID data.  1. Default processing of FRAM did for user ID data.  1. Perform address setting of FRAM did for user ID data.  1. Default processing of FRAM did for user ID data.  1. Default processing of FRAM did for user ID data.  1. Default processing of FRAM did for user ID data.  1. Default processing of FRAM did for user ID data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default abnormal end.	Default execution result judgment result None None None None None None None None
Teq[6-6-1-2] Teq[6-6-1-2] Teq[6-6-1-3] Teq[6-6-1-4] Teq[6-6-1-6] Teq[6-6-1-6] Teq[6-6-1-6] Teq[6-6-1-6] Teq[6-6-1-1] Teq[6-6-1-1] Teq[6-6-1-1] Teq[6-6-1-1] Teq[6-6-1-1] Teq[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM default processing FRAM default start processing Default processing of FRAM data to table to the default processing Default processing of FRAM data for station 10 data Address setting processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default confirmation display processing Default abnormal end display processing Default anormal end display processing Default normal completion display processing Default normal completion display processing Default normal completion display processing	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default end confirmation processing Perform GRAM default processing of FRAM's CHK_DATA area Perform FRAM default start processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform Default processing of FRAM data for satisface In detail Perform default processing of FRAM data for satisface In detail Perform address setting of FRAM data for body data Default processing of FRAM data for gas data Display default confirmation processing Display default anormal end processing Display default normal completion processing	None Default request flag Structure to set up Structure to set up None Default request flag None None Address setting of FRAM data for main body data None None None None None None None None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is the default shorman lend, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM flat for data, delector. c.  1. Default processing of FRAM flat for data, delector. c.  2. Default processing of FRAM flat for data, logger. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data logger. c.  1. Perform default processing of FRAM data for station ID data.  1. Default processing of FRAM data for main ID data.  1. Default processing of FRAM data for main Dody data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default execution.  1. Il logger is defaulted, make the result running.	Default execution result judgment result None None None None None None None None
rea[6-6-1-1] rea[6-6-1-2] rea[6-6-1-3] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-10] rea[6-6-1-10] rea[6-6-1-10] rea[6-6-1-10] rea[6-6-1-10]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM main loop default processing FRAM default processing FRAM default processing FRAM default start processing FRAM default start processing Default processing of FRAM data for start of the s	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform Man default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM man loop default processing Perform FRAM man loop default processing Perform Default processing of FRAM data for station ID data Perform additust processing of FRAM data for user ID data Perform additust processing of FRAM data for body data Perform default processing of FRAM data for body data Display default confirmation processing Display default confirmation processing Display default enormal end processing Perform default running display processing Perform default running display processing Perform default running display processing	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data Address setting of FRAM data for main body data  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request lag is not defaulted, return off.  2. If the default request lag is not defaulted, return off.  2. If the default request lag is not default abnormal end, return off.  1. Default processing of FRAM data for gas. calc. c.  2. Default processing of FRAM data for data. delector. c.  1. Default processing of FRAM data for data. Jogen. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data logen.  1. Perform default processing of FRAM data for data in Didata.  1. Default processing of FRAM data for user in Didata.  1. Default processing of FRAM data for user in Didata.  1. Default processing of FRAM data for main body data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default execution.  1. If logger is defaulted, make the result running.  2. If logger is not defaulted, make the result running.  2. If logger is of defaulted, make the result running.	Default execution result judgment result None None None None None None None None
Teq[6-6-1-2] Teq[6-6-1-2] Teq[6-6-1-3] Teq[6-6-1-4] Teq[6-6-1-6] Teq[6-6-1-6] Teq[6-6-1-6] Teq[6-6-1-6] Teq[6-6-1-1] Teq[6-6-1-1] Teq[6-6-1-1] Teq[6-6-1-1] Teq[6-6-1-1] Teq[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area Default processing FRAM default start processing FRAM default processing Default processing of FRAM data for starton ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Default processing of logger function Default processing of ID_DATA area of FRAM	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM transity processing of FRAM data for station ID data Perform default processing of FRAM data for user ID data Perform added processing of FRAM data for body data Perform default processing of FRAM data for pass data Display default shoremal end processing Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of ID_DATA area of FRAM	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data Address setting of FRAM data for main body data None  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request lag is not defaulted, return off.  2. If the default request lag is not defaulted, return off.  2. If the default request lag is not default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, delector, c.  1. Default processing of FRAM data for data, logger. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data logger. c.  1. Perform default processing of FRAM data for data in Didata.  1. Perform address processing of FRAM data for useful Didata.  1. Default processing of FRAM data for useful Didata.  1. Default processing of FRAM data for useful Didata.  1. Default processing of FRAM data for useful Didata.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default enormal end.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default execution.  1. Il logger is defaulted, make the result running.  2. Il logger is defaulted, make the result running.  2. Il logger is defaulted, make the result running.  3. Return results.  1. Default processing of FRAM_USER_ID data.  1. Default processing of FRAM_USER_ID data.	Default execution result judgment result None None None None None None None None
Tagle-6-1-1  Tragle-6-1-2  Tragle-6-1-3  Tragle-6-1-4  Tragle-6-1-5  Tragle-6-1-6  Tragle-6-1-7  Tragle-6-1-7  Tragle-6-1-10  Tragle-6-1-10  Tragle-6-1-11  Tragle-6-1-12  Tragle-6-1-13	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default processing FRAM default processing FRAM default start processing Default processing of FRAM data for station 10 data Default processing of FRAM data for station 10 data Address setting processing of FRAM data for user 10 data Default processing of FRAM data for user 10 data Default processing of FRAM data for user 10 data for user 10 data Default processing of FRAM data for user 10 data for man body data Default processing of FRAM data for man body data Default anormal end display processing Default normal completion display processing Default normal completion display processing Default running display processing Default processing of logger function Default processing of logger function	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default start processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform RRAM main loop default processing Perform default processing of FRAM data for station 10 data Perform default processing of FRAM data for suser 10 data Depta default processing of FRAM data for gas data Display default confirmation processing Display default confirmation processing Display default confirmation processing Perform default processing of logger function Perform default processing of logger function Perform default processing of logger function	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data Address setting of FRAM data for main body data  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request lag is not defaulted, return off.  2. If the default request lag is not defaulted, return off.  2. If the default request lag is not default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, defector, c.  1. Default processing of FRAM data for data, defector, c.  2. Default processing of FRAM data for data logger. c.  1. Insert FRAM data initialization into default request lag.  1. Perform default processing of creation into default passe.  1. Perform default processing of FRAM data for use into ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default execution.  1. If logger is defaulted, make the result running.  2. If logger is of defaulted, make the result running.  2. If logger is defaulted, make the result running.  2. If logger is defaulted, the result sended.  3. Return results.  1. Default processing of FRAM, USER, ID data.  1. Cleate the status of logger data.  3. Cought the result of ILASH status byte read processing.	Default execution result judgment result None None None None None None None None
Tagle-6-1-1  Tragle-6-1-2  Tragle-6-1-3  Tragle-6-1-4  Tragle-6-1-5  Tragle-6-1-6  Tragle-6-1-7  Tragle-6-1-7  Tragle-6-1-10  Tragle-6-1-10  Tragle-6-1-11  Tragle-6-1-12  Tragle-6-1-13	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area Default processing FRAM default start processing FRAM default processing Default processing of FRAM data for starton ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Default processing of logger function Default processing of ID_DATA area of FRAM	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM transity processing of FRAM data for station ID data Perform default processing of FRAM data for user ID data Perform added processing of FRAM data for body data Perform default processing of FRAM data for pass data Display default shoremal end processing Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of ID_DATA area of FRAM	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data Address setting of FRAM data for main body data None  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request lag is not defaulted, return off.  2. If the default request lag is not defaulted, return off.  2. If the default request lag is the default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, defector, c.  1. Default processing of FRAM data for data, defector, c.  2. Invest FRAM data institution into default request lag.  1. Perform default processing of remain into default request lag.  1. Perform default processing corresponding to the default phase.  1. Perform default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default execution.  1. Create character data corresponding to default execution.  1. If topper is defaulted, make the result running,  2. If logper is defaulted, make the result running,  2. If logper is defaulted, make the result running,  2. If logper is defaulted, make the result running,  2. If logper is defaulted, make the result running,  2. If logper is not defaulted, the result is ended.  3. Return results.  1. Default processing of FRAM, USER, ID data.  2. Default processing of FRAM, USER, ID data.  2. Default processing of FRAM, USER, ID data.  2. Acquire the result of FLASH status byte read processing.  3. In the state where FLASH can be written, erase the specified block of FLASH.  4. In the case where the FLASH can be written, erase the specified block of FLASH.	Default execution result judgment result None None None None None None None None
rea[6-6-1-1] rea[6-6-1-2] rea[6-6-1-3] rea[6-6-1-4] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-11] rea[6-6-1-11] rea[6-6-1-12] rea[6-6-1-14]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area Default processing FRAM default start processing FRAM default processing Default processing of FRAM data for starton ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Default processing of logger function Default processing of ID_DATA area of FRAM	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM transity processing of FRAM data for station ID data Perform default processing of FRAM data for user ID data Perform added processing of FRAM data for body data Perform default processing of FRAM data for pass data Display default shoremal end processing Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of ID_DATA area of FRAM	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data Address setting of FRAM data for main body data None  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, deptector.  1. Default processing of FRAM data for data logger. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data logger.  1. Perform default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for main body data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default normal end.  1. Create character data corresponding to default normal end.  1. Create character data corresponding to default normal end.  1. Create character data corresponding to default normal end.  1. Create character data corresponding to default execution.  1. If logger is defaulted, make the result unning.  2. If logger is not defaulted, the result is ended.  3. Return results.  1. Default processing of FRAM_USER_ID data.  2. Default processing of FRAM_USER_ID data.  2. Default processing of FRAM_USER_ID data.  2. Could be the result of ELASH status byte read processing.  2. Acquire the result of ELASH status byte read processing.  3. Ket PLASH SET to the result is ended and ress.	Default execution result judgment result None None None None None None None None
Tagle-6-1-1  Tragle-6-1-2  Tragle-6-1-3  Tragle-6-1-4  Tragle-6-1-5  Tragle-6-1-6  Tragle-6-1-7  Tragle-6-1-7  Tragle-6-1-10  Tragle-6-1-10  Tragle-6-1-11  Tragle-6-1-12  Tragle-6-1-13	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area Default processing FRAM default start processing FRAM default processing Default processing of FRAM data for starton ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Default processing of logger function Default processing of ID_DATA area of FRAM	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM transity processing of FRAM data for station ID data Perform default processing of FRAM data for user ID data Perform added processing of FRAM data for body data Perform default processing of FRAM data for pass data Display default shoremal end processing Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of ID_DATA area of FRAM	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data Address setting of FRAM data for main body data None  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, dependence.  1. Default processing of FRAM data for data, dependence.  2. Default processing of FRAM data for data, logger. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data logger.  1. Perform default processing of FRAM data for data logger.  1. Perform default processing of FRAM data for station ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for main body data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default enormal end.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default execution.  1. If logger is defaulted, make the result running.  2. If logger is defaulted, make the result running.  2. If logger is defaulted, make the result running.  2. If logger is defaulted, make the result running.  3. In the state where FLASH can be written, erase the specified block of FLASH.  4. In the case worth of FLASH can be written, erase the specified block of FLASH.  4. In the case worth of FLASH can be written, erase the specified block of FLASH.  4. In the case worth of FLASH can be written, erase the specified block of FLASH.  4. In the case worth of FLASH can be written, erase the specified block of FLASH.  4. In the case worth of FLASH can be written, erase the specified block of FLASH.  4. In the case worth of FLASH can be written, erase the specified block of FLASH.  4. In the case worth of FLASH can be written, erase the specified block of FLASH.  4. In the case worth of FLASH can b	Default execution result judgment result None None None None None None None None
rea[6-6-1-1] rea[6-6-1-2] rea[6-6-1-3] rea[6-6-1-4] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-11] rea[6-6-1-11] rea[6-6-1-12] rea[6-6-1-14]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area Default processing FRAM default start processing FRAM default processing Default processing of FRAM data for starton ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Default processing of logger function Default processing of ID_DATA area of FRAM	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM transity processing of FRAM data for station ID data Perform default processing of FRAM data for user ID data Perform added processing of FRAM data for body data Perform default processing of FRAM data for pass data Display default shoremal end processing Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of ID_DATA area of FRAM	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data Address setting of FRAM data for main body data None  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request lag is not defaulted, return off.  2. If the default request lag is not defaulted, return off.  2. If the default request lag is in default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, dependence.  1. Default processing of FRAM data for data logger. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data logger.  1. Perform default processing of FRAM data for data logger.  1. Perform default processing of FRAM data for station ID data.  1. Default processing of FRAM data for use of Data.  1. Default processing of FRAM data for use of Data.  1. Default processing of FRAM data for use of Data.  1. Create character data corresponding to default ending the default d	Default execution result judgment result None None None None None None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-3] req[6-6-1-4] req[6-6-1-6] req[6-6-1-6] req[6-6-1-6] req[6-6-1-6] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area Default processing FRAM default start processing FRAM default processing Default processing of FRAM data for starton ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Default processing of logger function Default processing of ID_DATA area of FRAM	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM transity processing of FRAM data for station ID data Perform default processing of FRAM data for user ID data Perform added processing of FRAM data for body data Perform default processing of FRAM data for pass data Display default shoremal end processing Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of ID_DATA area of FRAM	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data Address setting of FRAM data for main body data None  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, depter. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data logger. c.  1. Insert FRAM data intributation into default request flag.  1. Perform default processing of FRAM data for station ID data.  1. Perform default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Perform address setting of FRAM data for man body data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default execution.  1. If logger is defaulted, the result is ended.  3. Return results.  1. Default processing of FRAM_ST_ID data.  2. Default processing of FRAM_LST_ID data.  2. Default processing of FRAM_LST_ID data.  2. Default processing of FRAM_LST_ID data.  3. Return results.  1. Default processing of FRAM_LST_ID data.  3. Return results.  4. In the case where the FLASH can be written, erase the specified block of FLASH.  5. In the state where the FLASH can to the written, erase the specified block of FLASH.  6. In the state where the FLASH can not be written, erase the specified block of FLASH.  6. In the state where the FLASH can not be written, erase the specified block of FLASH.  6. In the case where the FLASH can not be written, erase the specified block of FLASH.  7. Initialize the logger error to state.  8. Turnor TRAM data for data, logger. c. to the default state.  7. Initialize the logger error contain.  8. Turnor TRAM data for data, logger. c. to the defau	Default execution result judgment result None None None None None None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-3] req[6-6-1-4] req[6-6-1-6] req[6-6-1-6] req[6-6-1-6] req[6-6-1-6] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area Default processing FRAM default start processing FRAM default processing Default processing of FRAM data for starton ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Default processing of logger function Default processing of ID_DATA area of FRAM	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM transity processing of FRAM data for station ID data Perform default processing of FRAM data for user ID data Perform added processing of FRAM data for body data Perform default processing of FRAM data for pass data Display default shoremal end processing Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of IRAM data for gas data Display default shoremal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of ID_DATA area of FRAM	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data  Address setting of FRAM data for main body data  None  Default request flag  None  None  None  None  None  None  None  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, depter. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data logger. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for state in the default phase.  1. Perform default processing of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for main body data.  1. Default processing of FRAM data for main body data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default execution.  1. If logger is defaulted, make the result running.  2. If logger is defaulted, make the result running.  2. If logger is defaulted, make the result running.  2. Indepault processing of FRAM, ST, ID data.  2. Default processing of FRAM, ST, ID data.  2. Default processing of FRAM, ST, ID data.  2. Acquire the result of PLASH status byte read processing.  2. Acquire the result of PLASH status byte read processing.  2. Acquire the result of PLASH status byte read processing.  3. Return results.  1. In the case where the PLASH can not be written, execute the following processing 5 to 12.  5. Set FALSH with the start flag.  11. Initialize the logger error to the data.  5. Initialize the logger function.  6. Turnoff TRAM with set and the place status.  1. Initialize the logger error to the vertice.  2.	Default execution result judgment result None None None None None None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-3] req[6-6-1-4] req[6-6-1-6] req[6-6-1-6] req[6-6-1-6] req[6-6-1-6] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area CHK_DATA area FRAM default start processing FRAM main loop default processing FRAM default start processing FRAM default processing FRAM default processing FRAM default processing FRAM default start processing FRAM default of station ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Logger default	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform Default processing of FRAM data for station ID data Perform default processing of FRAM data for loop data. Perform default processing of FRAM data for loop data. Perform default processing of FRAM data for gas data Display default confirmation processing Display default abnormal end processing Display default abnormal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of logger function Perform logger default processing	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data  Address setting of FRAM data for main body data  None  FRAM measurement log ount  Address of the neat writing position from the	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, object.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data, logger. c.  1. Insert FRAM data processing of FRAM data for station ID data.  1. Perform address setting of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for set along the data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default normal end.  1. Create character data corresponding to default normal end.  1. Create character data corresponding to default normal end.  1. Create character data corresponding to default normal end.  2. Indepart is ont defaulted, make the result unning.  1. If logger is defaulted, make the result unning.  2. If logger is not defaulted, make the result unning.  2. Default processing of FRAM_USER_ID data.  2. Default processing of FRAM_USER_ID data.  2. Acquire the result of ELASH status byte read processing.  3. Return results.  2. Acquire the result of ELASH status byte read processing.  3. In the state where PLASH can be written, exceuse the specified block of FLASH.  4. Initialize the logger eruction.  5. Set FALSH can be are as incomplete address.  6. Set FRAM data for data, logger. c. to the default state.  7. Initialize the logger function.  8. Turnor FRAM data for data, logger. c. to the default state.  7. Initialize the logger eruction.  8. Turnor FRAM dat	Default execution result judgment result None None None None None None None None
req[6-6-1-1] req[6-6-1-2] req[6-6-1-3] req[6-6-1-3] req[6-6-1-4] req[6-6-1-6] req[6-6-1-6] req[6-6-1-6] req[6-6-1-6] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1] req[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area CHK_DATA area FRAM default start processing FRAM main loop default processing FRAM default start processing FRAM default processing FRAM default processing FRAM default processing FRAM default start processing FRAM default of station ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Logger default	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform Default processing of FRAM data for station ID data Perform default processing of FRAM data for loop data. Perform default processing of FRAM data for loop data. Perform default processing of FRAM data for gas data Display default confirmation processing Display default abnormal end processing Display default abnormal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of logger function Perform logger default processing	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data  Address setting of FRAM data for main body data  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default processing of FRAM data for gas, cack. c.  2. Default processing of FRAM star for gas, cack. c.  2. Default processing of FRAM star for data, detector. c.  1. Default processing of FRAM star for data, detector. c.  2. Default processing of FRAM star for data, detector. c.  1. Default processing of FRAM star for data, logger. c.  1. Interest FRAM data initialization into default opper. c.  1. Interest FRAM data increasing of FRAM data for star longer. c.  1. Perform default processing of FRAM data for user ID data.  1. Perform default processing of FRAM data for user ID data.  1. Perform address setting of FRAM data for user ID data.  1. Perform address setting of FRAM data for main body data.  1. Perform address setting of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default execution.  2. If logger is defaulted, make the result running.  2. If logger is defaulted, make the result running.  2. If logger is defaulted, make the result sunning.  3. Create character data corresponding to default execution.  1. Create character data corresponding to default execution.  2. If logger is end defaulted, fram usualts ended.  3. Create character data corresponding to default execution.  3. If logger is defaulted, make the result running.  2. If logger is defaulted, make the result running.  3. If logger is defaulted, make the result running.  3. If logger is defaulted, make the result running.  4. In the state where FLAM can be written, execute the following in the state where FLAM can be written, execute the following in the state where FLAM can be written, execute the following in the state where FLAM can be written, e	Default execution result judgment result None None None None None None None None
rea[6-6-1-1] rea[6-6-1-2] rea[6-6-1-3] rea[6-6-1-4] rea[6-6-1-8] rea[6-6-1-8] rea[6-6-1-8] rea[6-6-1-9] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area CHK_DATA area FRAM default start processing FRAM main loop default processing FRAM default start processing FRAM default processing FRAM default processing FRAM default processing FRAM default start processing FRAM default of station ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Logger default	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform Default processing of FRAM data for station ID data Perform default processing of FRAM data for loop data. Perform default processing of FRAM data for loop data. Perform default processing of FRAM data for gas data Display default confirmation processing Display default abnormal end processing Display default abnormal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of logger function Perform logger default processing	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Default request flag  None  Address setting of FRAM data for main body data  Address setting of FRAM data for main body data  None  None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, depter. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for data, logger. c.  1. Insert FRAM data intributation into default request flag.  1. Perform default processing of FRAM data for station ID data.  1. Perform default processing of FRAM data for station ID data.  1. Default processing of FRAM data for user ID data.  1. Perform address setting of FRAM data for user ID data.  1. Perform address setting of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default execution.  1. Create character data corresponding to default execution.  1. If logger is defaulted, make the result running.  2. If logger is ont defaulted, make the result running.  2. If logger is ont defaulted, make the result running.  2. Default processing of FRAM_USER_ID data.  2. Default processing of FRAM_USER_ID data.  2. Default processing of FRAM_USER_ID data.  3. Return results.  3. In the state where IR_LASH can be written, erase the specified block of FLASH.  4. In the case where the FLASH can not be written, erase the specified block of FLASH.  5. In the state where IR_LASH can not be written, erase the specified block of FLASH.  6. In this case where the FLASH can not be written, erase the specified block of FLASH.  7. In this case where the FLASH can not be written, erase the specified block of FLASH.  8. Turnoff TRAM writer that flag.  11. In this case where the FLASH can not be written, erase the specified block of FLASH.  8. Turnoff TRA	Default execution result judgment result None None None None None None None None
rea[6-6-1-1] rea[6-6-1-2] rea[6-6-1-3] rea[6-6-1-4] rea[6-6-1-8] rea[6-6-1-8] rea[6-6-1-8] rea[6-6-1-9] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area CHK_DATA area FRAM default start processing FRAM main loop default processing FRAM default start processing FRAM default processing FRAM default processing FRAM default processing FRAM default start processing FRAM default of station ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for user ID data Default processing of FRAM data for user ID data Default processing of FRAM data for gas data Default processing of ID_DATA area of FRAM Logger default	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAM's CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform Default processing of FRAM data for station ID data Perform default processing of FRAM data for loop data. Perform default processing of FRAM data for loop data. Perform default processing of FRAM data for gas data Display default confirmation processing Display default abnormal end processing Display default abnormal end processing Perform default processing of ID_DATA area of FRAM Perform default processing of logger function Perform logger default processing	None  Default request flag  Structure to set up  Structure to set up  None  Default request flag  None  Address setting of FRAM data for main body data  Address setting of FRAM data for main body data  None  No	1. Include increment / decrement of numerical value in item number.  1. Returns the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default request flag is the default abnormal end, return off.  1. Default processing of FRAM data for gas, calc. c.  2. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, detector. c.  1. Default processing of FRAM data for data, logger. c.  1. Insert FRAM data initialization into default request flag.  1. Perform default processing of FRAM data for station ID data.  1. Perform address setting of FRAM data for user ID data.  1. Perform address setting of FRAM data for user ID data.  1. Default processing of FRAM data for user ID data.  1. Default processing of FRAM data for gas data.  1. Create character data corresponding to default confirmation.  1. Create character data corresponding to default annormal end.  1. Create character data corresponding to default normal end.  1. Create character data corresponding to default annormal end.  1. Create character data corresponding to default annormal end.  1. Create character data corresponding to default annormal end.  2. Default processing of FRAM_USER_ID data.  3. Return results.  3. Return results.  4. Acquire the result of ELASH status byte read processing.  5. In the state where PLASH can be written, erace the specified block of FLASH.  4. Processing 5 to 12.  5. Set FALSH can be corresponded to the default state.  7. Initialize the logger function.  8. Turnort free power of the logger error written, erace the specified block of FLASH.  8. Turnort free or erace incomplete address.  9. Record the default value.  10. Turnor FRAM data for data, logger. c to the default state	Default execution result judgment result judgment result None None None None None None None None
rea[6-6-1-2] rea[6-6-1-2] rea[6-6-1-3] rea[6-6-1-4] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-6] rea[6-6-1-7] rea[6-6-1-9] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1] rea[6-6-1-1]	processing FRAM default success confirmation processing FRAM default end confirmation processing Default processing of FRAM's CHK_DATA area FRAM default start processing FRAM main loop default processing FRAM default start processing FRAM default start processing FRAM default start processing FRAM default processing of FRAM data for start ID data Default processing of FRAM data for user ID data Address setting processing of FRAM data for gas data Default processing of FRAM data for gas data Default processing of FRAM default processing Logger default Logger default	processing Perform FRAM default success confirmation processing Perform FRAM default end confirmation processing Perform FRAM default processing of FRAMs CHK_DATA area Perform FRAM default processing Perform FRAM default processing Perform FRAM main loop default processing Perform FRAM main loop default processing Perform Default processing of FRAM data for station ID data Perform default processing of FRAM data for user ID data Perform address setting of FRAM data for body data Display default confirmation processing Display default processing of IPAM data for gas data Display default processing of IPAM data for gas Display default processing Display default processing Perform default processing Perform default processing Perform default processing of ID_DATA area of FRAM Perform logger default processing	None Default request flag Structure to set up Structure to set up None Default request flag None None Address setting of FRAM data for main body data Address setting of FRAM data for main body data None None None None None None None None	1. Include increment / decrement of numerical value in item number.  1. Returns the default execution result.  1. If the default request flag is not defaulted, return off.  2. If the default request flag is not defaulted, return off.  2. If the default processing of FRAM data for gas, cack. c.  1. Default processing of FRAM data for gas, cack. c.  2. Default processing of FRAM data for data, logger. c.  1. Default processing of FRAM data for data, logger. c.  1. Invest FRAM data invitation into default groups of data.  1. Perform default processing of FRAM data for data, logger. c.  1. Invest FRAM data invitation into default groups of data.  1. Perform default processing of FRAM data for user ID data.  1. Perform default processing of FRAM data for user ID data.  1. Perform address setting of FRAM data for main body data.  1. Perform address setting of FRAM data for main body data.  1. Perform address setting of FRAM data for main body data.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default abnormal end.  1. Create character data corresponding to default execution.  1. If logger is of defaulted, make the result running.  2. If logger is defaulted, make the result running.  2. If logger is defaulted, the result is ended.  3. Return sprocessing of FRAM, ST, ID data.  2. Default processing of FRAM, ST, ID data.  2. Acquire the result of FLASH status byte read processing.  3. In the state where FLASH can be written, resee the specified block of FLASH.  4. In incasse shore the SLASH can be written, execute the following incasses shore the SLASH can be written, execute the following incasses shore the SLASH can be written, execute the following incasses shore the SLASH can be written, execute the following increasing in progress flag.  3. In this state where FLASH can be written, execute in progress flag.  3. In Institute the logger function.  4. Initiatize the following items 2 to 13 i	Default execution result judgment result judgment result None None None None None None None None

	DISP setting display ON/OFF setting	Perform DISP setting display ON/OFF setting end	Item Number	Insert item number into DISP mode setting item ON/OFF setting.	DISP mode setting item ON/OFF setting
req[6-7-1-2]	end processing  DISP setting display ON/OFF setting	processing  Perform DISP setting display ON/OFF setting start	DISP mode setting item ON/OFF setting	Turnor FRAM write start flag.      Insert DISP mode setting item ON/OFF setting into item number.	Item Number
req[6-7-1-3]	start processing	processing	DISP mode setting item ON/OFF setting		
req[6-7-1-4]	DISP setting display ON/OFF setting display item selection processing	Perform DISP setting display ON/OFF setting display item selection processing	None	<ol> <li>Accept the numerical value of 1. 1 or 0 and put the ON/OFF swapping process in the item number</li> </ol>	Item Number
req[6-8-1-1]	Password numerical value change processing	Perform password numeric value change processing	Password increase / decrease	Input password increment / decrement processing.	Input password
req[6-8-1-2]	Password increase/decrease change	Perform password increase / decrease change	Password increase / decrease	If password increase / decrease is ON, turn password increase / decrease OFF.	Password increase / decrease
rodio o 121	processing  Password input end judgment	processing Perform password input end judgment	Password input middle digit	If password increase / decrease is OFF, turn on password increase / decrease.      If the password digit being entered matches the password input end digit number,	result
req[6-8-1-3]	Input password	Perform processing when password input is	Input password	the result is ended.  2. Return results.  1. In a mode requiring a password, when entering the correct password,	Password result
req[6-8-1-4]		necessary	Password type Password number	the mode is entered.  2. When an incorrect password is input, an error screen is displayed.  3. Return the password result.	
req[6-8-1-5]	Password error display processing	Perform display processing at the time of password error	None	Create character data corresponding to password error.	None
req[6-8-1-6]	Acquisition processing of password	Perform password type acquisition processing	None	Return password type.	Password type
req[6-8-1-7]	type Confirm existence of password reset	Confirm existence of password reset	None	Return a password return.	Password return
req[6-8-1-8]	Password input screen	Perform password input screen	Input password Password input middle digit	Create character data corresponding to the screen you are entering the password.     Set character data.	Maintenance letter Maintenance character flashing
req[6-8-1-9]	Password input deend processing	Perform password input deend processing	Password input middle digit	If the password digit being entered is larger than the password input return digit number, lower the digit of the input password.     If the password digit being entered is smaller than the password input end digit, increase the digit of the password being entered.	Password input middle digit
req[6-8-1-10]	Initial password processing	Perform password initial processing	Password type	Initialize each digit of the password.	Input password Password increase / decrease Password type Password return
req[6-8-2-1]	User password ON/OFF setting	Perform user password ON/OFF setting confirmation	None	Return item number.	Item Number
	confirmation processing User password value setting digit	processing Perform user password value setting digit down	Item Number	If the item number is 0, turn on the result.	Item Number
req[6-8-2-2]	down processing  User password value setting digit	processing  Perform user password value setting digit up	Item Number	If the item number is other than 0, count down the item number and turn off the result.     3. Return results.     If the item number is 3, turn on the result.	result Item Number
req[6-8-2-3]	up processing	processing		If the item number is other than 3, count up the item number and turn off the result.     Return results.	result
req[6-8-2-4]	User password ON/OFF setting display processing	Perform user password ON/OFF setting display processing	None	Create ON/OFF setting menu display corresponding to USER password ON/OFF setting	. None
req[6-8-2-5]	User password value setting display processing	Perform user password value setting display processing	Editing variables	Create character data corresponding to USER password value setting.     Create character data.	Maintenance letter
req[6-8-2-6]	User password ON/OFF setting	Perform user password ON/OFF setting end	Item Number	Insert item number into user password ON/OFF setting.	User password ON/OFF setting
	end processing User password value setting end	processing Perform user password value setting end	Editing variables	Turnon FRAM write start flag.     Set user password number.	User password number
req[6-8-2-7]	processing User password ON/OFF setting	processing  Perform user password ON/OFF setting start	User password ON/OFF setting	Put the user password ON/OFF setting in the item number.	Item Number
req[6-8-2-8]	start processing User password value setting start	processing  Perform user password of vore setting start  processing		·	Item Number
req[6-8-2-9]	processing	processing	User password number	I. Initialize item number.     Set the number of digits of the password.     Turnoff up / down numerical value setting.	Editing variables Up / down change of numerical value
req[6-8-2-10]	User password ON/OFF setting selection processing	Perform user password ON/OFF setting selection processing	None	<ol> <li>Accept the numerical value of 1. 1 or 0 and put the ON/OFF swapping process in the item number.</li> </ol>	Item Number
req[6-8-2-11]	User password value setting selection processing	Perform user password value setting display selection processing	None	Insert numerical increase / decrease processing into editing variables.	Editing variables
req[6-8-2-12]	Acquisition of user password	Acquire ON/OFF setting of maintenance password	None	USER Password ON/OFF setting is returned.	USER Password ON/OFF setting
-	ON/OFF setting Acquisition of maintenance	Acquire maintenance password ON/OFF setting	None	Returns ON/OFF setting of MAINTE password.	MAINTE Password ON/OFF setting
req[6-8-3-1]	passwordON/OFF setting Maintenance password value setting	Perform maintenance password value setting	Item Number	I. If the item number is 0, turn on the result.	Item Number
req[6-8-4-1]	digit down processing	digit down processing		If the item number is other than 0, count down the item number and turn off the result.     Return results.	result
req[6-8-4-2]	Maintenance password value setting digit up processing	Perform maintenance password value setting digit up processing	Item Number	If the item number is 3, turn on the result.     If the item number is other than 3, count up the item number and turn off the result.     Return results.	Item Number result
req[6-8-4-3]	Maintenance password ON/OFF setting display processing	Perform maintenance password ON/OFF setting display processing	None	MAINTE Create ON/OFF setting menu display corresponding to password ON/OFF setting.	None
	Maintenance password value setting	Perform maintenance password value setting	Editing variables	MAINTE Create character data corresponding to password value setting.	Maintenance letter
req[6-8-4-4]	display processing	display processing	Item Number	<ol><li>Change the numerical value corresponding to MAINTE password value setting to character (SHORT) data.</li></ol>	Maintenance character flashing
req[6-8-4-5]	Maintenance password ON/OFF setting end processing Maintenance password value setting	Perform maintenance password ON/OFF setting end processing Perform maintenance password value setting end	Item Number  Editing variables	Insert item number into Maintenance password ON/OFF setting.     Turnon FRAM write start flag.     Set the 4-digit maintenance password number.	Maintenance password ON/OFF setting  Maintenance password number
req[6-8-4-6]	setting end processing  Maintenance password value setting end processing	end processing  Perform maintenance password value setting end processing	Editing variables	Turnon FRAM write start flag.     Set the 4-digit maintenance password number.	Maintenance password number
	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing	end processing  Perform maintenance password value setting end		Z. Turnor FRAM write start flag.     Set the 4-digit maintenance password number.  1. Put the maintenance password ON/OFF setting in the item number.	
req[6-8-4-6]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing	Editing variables  Maintenance password ON/OFF setting  Maintenance password number	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password onwiber.  1. Put the maintenance password ON/OFF setting in the Item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.	Maintenance password number  Item Number  Item Number  Up / down change setting of numerical value Editing variables
req[6-8-4-6] req[6-8-4-7]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting	end processing  Perform maintenance password value setting end processing  Perform maintenance password ON/OFF setting start processing  Perform maintenance password value setting start	Editing variables  Maintenance password ON/OFF setting	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Put the maintenance password ONOFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.	Maintenance password number  Item Number  Item Number  Up / down change setting of numerical value
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password Value setting start processing Maintenance password ON/OFF setting selection processing Maintenance password value setting start processing Maintenance password value setting	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password Value setting selection processing Perform maintenance password value setting	Editing variables  Maintenance password ON/OFF setting  Maintenance password number	2. Tumon FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Put the maintenance password ONOFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Tumoff up / down numerical value setting.  1. Put ONOF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to	Maintenance password number  Item Number  Item Number  Up / down change setting of numerical value Editing variables
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10]	setting end processing Maintenance password value setting end processing Maintenance password ONOFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password value setting seteriting selection processing Maintenance password value setting selection processing Acquisition of password protection	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password ON/OFF setting salection processing	Editing variables Maintenance password ON/OFF setting Maintenance password number None	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password onwiber.  1. Put the maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ON/OFF replacement processing in item number.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Item Number Item Number
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password ON/OFF setting setection processing Maintenance password on/OFF setting setection processing Maintenance password value setting selection processing Acquisition of password protection ON/OFF setting	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password ON/OFF setting selection processing Perform maintenance password oN/OFF setting selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size	2. Turnor FRAM write start flag.  1. Put the maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up 7 down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.	Maintenance password number  Item Number  Up / down change setting of numerical value Editing variables  Item Number  Editing variables
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10]	setting end processing Maintenance password value setting end processing Maintenance password ONOFF setting start processing Maintenance password ONOFF setting start processing Maintenance password ONOFF setting setting processing Maintenance password onVOFF setting setting processing Maintenance password value setting selection processing Acquisition of password protection ONOFF setting FRAM factory default update execution processing	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password ON/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing	Editing variables Maintenance password ON/OFF setting Maintenance password number None None FRAM setting data size Number of writes FRAM data SUM calculation result	2. Turnor FRAM write start flag.  1. Put the maintenance password ON/OFF setting in the Item number.  1. Put the maintenance password ON/OFF setting in the Item number.  1. Initialize from number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase if decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting otter size.  2. Substitute the program number.  3. Copy the program number.  4. Check SUM Update.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-9-1-1]	setting end processing Maintenance password value setting end processing Maintenance password ONOFF setting start processing Maintenance password Value setting start processing Maintenance password ONOFF setting selection processing Maintenance password value setting selection processing Acquisition of password protection ONOFF setting FRAM factory default update	end processing Perform maintenance password value setting end processing Perform maintenance password NVOFF setting start processing Perform maintenance password value setting start processing Perform maintenance password Value setting start processing Perform maintenance password value setting display selection processing Acquire password protection ONVFF setting Perform maintenance password value setting display selection processing Perform maintenance password value setting display selection processing Perform FRAM factory default update execution	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  FRAM setting data size Number of writes	2. Tumon FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Put the maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Tumoff up / down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute the program number.  3. Copy the program number.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-9-1-1]	setting end processing Maintenance password value setting end processing Maintenance password ONOFF setting start processing Maintenance password ONOFF setting start processing Maintenance password Value setting start processing Maintenance password Value setting selection processing Acquisition of password protection ONOFF setting FRAM factory default update execution processing FRAM factory default update	end processing Perform maintenance password value setting end processing Perform maintenance password NVOFF setting start processing Perform maintenance password NVOFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting selection processing Perform maintenance password value setting display selection processing Perform maintenance password value setting display selection processing Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform FRAM factory default update processing Perform FRAM factory default update processing	Editing variables Maintenance password ON/OFF setting Maintenance password number None None FRAM setting data size Number of writes FRAM data SUM calculation result	2. Turnor FRAM write start flag.  1. Fut the maintenance password number.  1. Initialize item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Fut ONOFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ONOFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute FRAM setting data size.  2. Substitute the program number.  4. Check SUM Update.  1. When ROM and FRAM are normat, update FRAM to factory default state.	Maintenance password number  Item Number  Item Number  Item Number  Up / down change setting of numerical value Editing variables  Item Number  Editing variables  Password protection ON/OFF  Number of writes
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-10-1-1] req[6-10-1-1] req[6-10-1-3]	setting end processing Maintenance password value setting end processing Maintenance password ONOCF setting start processing Maintenance password ONOCF setting start processing Maintenance password ONOCF setting selection processing Maintenance password orable setting selection processing Maintenance password orable setting selection processing Maintenance password protection ONOCF setting FRAM factory default update execution processing FRAM factory default update execution processing FRAM factory default update processing FRAM factory default update processing FRAM factory default update processing FRAM processing FRAM factory start update processing FRAM proc	end processing Perform ministenance password value setting end processing Perform ministenance password ON/OFF setting start processing Perform ministenance password value setting start processing Perform maintenance password No/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size  Number of writes  FRAM data SUM calculation result  Main unit error status	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password onwiber.  1. Put the maintenance password ONOFF setting in the Item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ONOFF replacement processing in Item number.  1. MAINTE include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ONOFF setting of password protection.  1. Substitute FRAM setting total size.  2. Substitute the program number.  3. Copy the program number.  4. Check SUM Update.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM can to be factory-set, turn on FRAM error flag.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes
req[6-8-4-6] req[6-8-4-8] req[6-8-4-8] req[6-8-4-10] req[6-9-1-1] req[6-10-1-1] req[6-10-1-3] req[6-10-1-4]	setting end processing Maintenance password value setting end processing Maintenance password ONOFF setting start processing Maintenance password ONOFF setting start processing Maintenance password value setting start processing Maintenance password value setting setting selection processing Maintenance password value setting selection processing Maintenance password value setting selection processing FRAM factory default update execution processing FRAM factory default update processing FRAM factory default update processing FRAM processing FRAM processing FRAM setting storage display 1 processing FRACTORY setting storage display 1 processing FRACTORY setting storage display 1 processing FRACTORY setting storage display 1 processing	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform frAM factory default update processing	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None	2. Turnor FRAM write start flag.  1. Fut the "adigit maintenance password ON/OFF setting in the Item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Fut ON/OFF replacement processing in Item number.  1. AMNTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute the program number.  3. Copy the program number.  4. Check SUM Update.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM con to be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting recording.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes judgment result None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-1-5]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password ON/OFF setting start processing Maintenance password ON/OFF setting selection processing Maintenance password ON/OFF setting selection processing Maintenance password on/OFF setting selection processing Acquisition of password protection ON/OFF setting FRAM factory default update execution processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display 1 processing Factory setting storage display	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password Value setting start processing Perform maintenance password Value setting start processing Perform maintenance password ON/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storage display 1 processing Perform factory setting storage display 2 processing Perform factory setting storage display 2 processing	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password onwiber.  1. Put the maintenance password ONOFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ONOFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ONOFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute the program number.  3. Copy the program number.  4. Check SUM Update.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting recording.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes judgment result None
req[6-8-4-6] req[6-8-4-8] req[6-8-4-8] req[6-8-4-10] req[6-9-1-1] req[6-10-1-1] req[6-10-1-3] req[6-10-1-4]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password ON/OFF setting selection processing Maintenance password value setting selection processing Maintenance password value setting selection processing FRAM factory default update execution processing Factory setting storing in progress display processing Factory setting storage display 1 processing Factory setting storage display 1 processing Factory setting storage display Factory setting storing processing Factory setting storing processing	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password ON/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing despital processing Perform factory setting storage display 2 processing	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size  Number of writes  FRAM data SUM calculation result  Main unit error status  None  None  None	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Put the maintenance password ONOFF setting in the Item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ONOFF replacement processing in Item number.  1. Fut ONOFF replacement processing in Item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ONOFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute the program number.  3. Copy the program number.  4. Check SUM Update.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting recording.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Set FRAM to factory condition.  2. Reset alarm point.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-1-5]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password ON/OFF setting start processing Maintenance password ON/OFF setting selection processing Maintenance password ON/OFF setting selection processing Maintenance password on/OFF setting selection processing Acquisition of password protection ON/OFF setting FRAM factory default update execution processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display 1 processing Factory setting storage display	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password Value setting start processing Perform maintenance password Value setting start processing Perform maintenance password ON/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storage display 1 processing Perform factory setting storage display 2 processing Perform factory setting storage display 2 processing	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size  Number of writes  FRAM data SUM calculation result  Main unit error status  None  None	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by J down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting diata size.  2. LiferAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Saf FRAM for factory condition.  2. Reset alarm point.  1. FRAM Loss flory data 2 faces.  2. Match write process.  3. Compare which side is the latest.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-10-1-1] req[6-10-1-2] req[6-10-1-4] req[6-10-1-6]	setting end processing Maintenance password value setting end processing Maintenance password ONOFF setting start processing Maintenance password ONOFF setting start processing Maintenance password value setting start processing Maintenance password ONOFF setting selection processing Acquisition of password value setting selection processing FRAM factory default update execution processing FRAM factory default update execution processing FRAM factory default update processing FRAM factory string storage display 1 processing FRAM factory string storage display 2 processing FRAM factory shipped data LOAD	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password Value setting start processing Perform maintenance password Value setting start processing Perform maintenance password Value setting display selection processing Acquire password protection ON/OFF setting selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storage display 1 processing Perform factory setting storage display 2 processing Perform FRAM factory shipped data LOAD	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  None  Expansion destination address  Stata address of factory shipping area	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ONIOFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ONIOFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute FRAM setting data size.  2. Substitute FRAM are normal, update FRAM to factory default state.  2. If FRAM can to the factory-set, turn on FRAM error flag.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM can to the factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  2. Reset alarm point.  2. Reset alarm point.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-10-1-1] req[6-10-1-2] req[6-10-1-4] req[6-10-1-6]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password Value setting stering selection processing Maintenance password value setting selection processing Maintenance password value setting selection processing Maintenance password value setting selection processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display processing Factory setting storage display Fractory setting storage display Fractory setting storage display Fractory setting storage display Fractory setting storing processing FRAM factory setting storing processing FRAM factory setting storing processing FRAM factory shipped data LOAD processing	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password Value setting start processing Perform maintenance password Value setting start processing Perform maintenance password Value setting display selection processing Acquire password protection ON/OFF setting selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storage display 1 processing Perform factory setting storage display 2 processing Perform FRAM factory shipped data LOAD	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  None  Expansion destination address Sust address of factory shipping area Read size  1st alarm point	2. Turnor FRAM write start flag.  1. Put the maintenance password ON/OFF setting in the Item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting date size.  2. Substitute in program number.  3. Copy the program number.  4. Check SUM Update.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. I FRAM can to the factory-set, turn on FRAM error flag.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Set FRAM to factory condition.  2. Reset alarm point.  1. FRAM to factory condition.  2. Reset alarm point.  1. FRAM to factory default state.  2. Match write process.  3. Compane which side is the latest.  4. Wit con the did side.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-10-1-1] req[6-10-1-2] req[6-10-1-4] req[6-10-1-6]	setting end processing Maintenance password value setting end processing Maintenance password ONOFF setting start processing Maintenance password ONOFF setting start processing Maintenance password ONOFF setting start processing Maintenance password ONOFF setting seterior processing Maintenance password value setting selection processing Maintenance password value setting selection processing Maintenance password value setting selection processing FRAM factory default update execution processing Factory setting storing in progress display processing Factory setting storage display 1 processing Factory setting storage display	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password ON/OFF setting selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing display 1 processing Perform factory setting storing processing Perform FRAM factory shipped data LOAD processing	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  Expansion destination address Start address of factory shipping area Read size  1st alarm point 2nd alarm point 2nd alarm point	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password onwiber.  1. Put the maintenance password ON/OFF setting in the Item number.  1. Initialize fixer mumber.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. Put ON/OFF replacement processing in item number.  1. MAINTE include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute PRAM setting data size.  2. Substitute brogram number.  3. Copy the program number.  4. Check SUM Update.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM cont to be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting recording.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Set FRAM to factory condition.  2. Reset alarm point.  1. FRAM to factory condition.  2. Reset alarm point.  1. FRAM to dat of corresponding to factory setting record display 3.  3. Compane which side is the latest.  4. Write on the disdide.  5. If you do not know which side is the latest.  4. Write on the disdide.  5. If you do not know which side is the latest.  4. Write on the disdide.	Maintenance password number  Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes judgment result None None None None Indee
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-10] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-1-6] req[6-10-2-1]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password Value setting start processing Maintenance password ON/OFF setting setection processing Maintenance password ON/OFF setting setection processing Maintenance password value setting selection processing Acquisition of password value setting selection processing FRAM factory default update execution processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display 1 processing Factory default data (alarm point) of FRAM Read factory default data (alarm point) of FRAM	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password No/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing desplay 1 processing Perform factory setting storing desplay 2 processing Perform factory setting storing desplay 2 processing Perform factory setting storing processing Perform FRAM factory shipped data LOAD processing Read factory default data of FRAM	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  Expansion destination address Start address of factory shipping area Read size  stat alarm point 2nd alarm point STEL alarm point	2. Turnor FRAM write start flag.  1. Flut the maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / Odwn numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute the program number.  3. Copy the program number.  4. Check SUM Update.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting recording.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Set FRAM to factory condition.  2. Reset alarm point.  1. FRAM tool factory data 2 faces.  2. Match write process.  3. Compane which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. Resurns the judgment reside.  1. Read factory default data of FRAM.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None None None None None None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-10] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-1-6] req[6-10-2-1]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password Value setting steeting selection processing Maintenance password value setting selection processing Maintenance password value setting selection processing Acquisition of password protection ON/OFF setting FRAM factory default update processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display 1 processing Factory setting storage display 2 processing Factory setting storage display Factory setting storage display Factory setting storage display Factory setting storing processing FRAM factory shipped data LOAD processing Read factory default data (alarm point) of FRAM Factory default settings of FRAM	end processing Perform minimenance password value setting end processing Perform minimenance password ON/OFF setting start processing Perform minimenance password value setting start processing Perform minimenance password value setting start processing Perform minimenance password N/OFF setting selection processing Perform minimenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing desplay 1 processing Perform factory setting storing desplay 2 processing Perform factory setting storing desplay 2 processing Perform factory setting storing processing Perform FRAM factory shipped data LOAD processing Read factory default data of FRAM	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  Expansion destination address Start address of factory shipping area Read size  stat alarm point 2nd alarm point STEL salarm point None	2. Turnor FRAM write start flag.  1. Flut the maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute the program number.  3. Copy the program number.  4. Chock SUM Update.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM can to the factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting recording.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Set FRAM to factory condition.  2. Reset alarm point.  1. FRAM to factory data 2 faces.  2. Whatch write process.  3. Compare which side is the latest.  4. Write on the old shinks is dod is the latest.  4. Write on the old shinks is dod is the latest.  4. Write on the old shinks is dod is the latest.  4. Returns the judgment result.  1. Retrieve backup of current setting.  2. FRAM Load factory default setting.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Eding variables Item Number Eding variables Password protection ON/OFF Number of writes  judgment result None None None None None Ijudgment result
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-1-6] req[6-10-2-2]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password Value setting start processing Maintenance password ON/OFF setting setection processing Maintenance password ON/OFF setting setection processing Maintenance password value setting selection processing Acquisition of password value setting selection processing FRAM factory default update execution processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display 1 processing Factory default data (alarm point) of FRAM Read factory default data (alarm point) of FRAM	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password No/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing desplay 1 processing Perform factory setting storing desplay 2 processing Perform factory setting storing desplay 2 processing Perform factory setting storing processing Perform FRAM factory shipped data LOAD processing Read factory default data of FRAM	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  Expansion destination address Start address of factory shipping area Read size  stat alarm point 2nd alarm point STEL alarm point	2. Turnor FRAM write start flag.  1. Fost the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff up / down numerical value setting.  1. Put ONOFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ONOFF setting of password protection.  1. Substitute FRAM setting data size.  2. Creates SUM lighter.  3. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Sate FRAM for factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. Returns the judgment result.  1. Read factory default data of FRAM.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None None None None None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-1-6] req[6-10-2-2]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password ON/OFF setting setection processing Maintenance password on/OF setting setection processing Maintenance password value setting selection processing FRAM factory default update processing FRAM factory string storage display processing FRAM factory shipped data LOAD processing FRAM factory default data (ularm point) of FRAM Factory default settings of FRAM Factory default settings of FRAM Factory default settings of FRAM Confirm reading of factory default	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing processing Perform reading confirmation processing of factory default settings of FRAM Perform reading confirmation processing of factory	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  None  Papansion destination address Stata address of factory shipping area Read size  1st alarm point 2nd alarm point 3nd alarm point TWX alarm point TWX alarm point TWX alarm point None  Full scale value  pigglig  unit 1st alarm point TWX alarm point	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by 7 down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting diate size.  2. If FRAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Saf FRAM to factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. Returns the judgment result.  1. Read factory default data of FRAM.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Eding variables Item Number Eding variables Password protection ON/OFF Number of writes  judgment result None None None None None Ijudgment result
roq[6-8-4-6] roq[6-8-4-8] roq[6-8-4-8] roq[6-8-4-10] roq[6-9-1-1] roq[6-10-1-2] roq[6-10-1-6] roq[6-10-2-1] roq[6-10-2-1] roq[6-10-2-1] roq[6-10-2-2]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password ON/OFF setting setection processing Maintenance password on/OF setting setection processing Maintenance password value setting selection processing FRAM factory default update processing FRAM factory string storage display processing FRAM factory shipped data LOAD processing FRAM factory default data (ularm point) of FRAM Factory default settings of FRAM Factory default settings of FRAM Factory default settings of FRAM Confirm reading of factory default	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing processing Perform reading confirmation processing of factory default settings of FRAM Perform reading confirmation processing of factory	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  Stat address of factory shipping area Read size  Stat address of factory shipping area Read size  1st alarm point 2nd alarm point TWA alarm point None  None  Fill scale value  Digit  Fill scale value  Digit  Fill scale value  Digit  Fill scale value  Digit  Limited Setting  Maintenance password number  Maintenance password number  Maintenance password number  None  None  Fill scale value  Digit  Limited password number  Maintenance password number  None  Fill scale value  Digit  Limited password number  None  None  Fill scale value  Digit  Limited password number  None  None  Fill scale value  Digit  Limited password number  None  None  Fill scale value  Digit  Limited password number  None  None  None  Fill scale value  Digit  Limited password number  Limited password number  None  None  Fill scale value  Digit  Limited password number  None  None  None  Fill scale value  Digit  Limited password number  Limited password number  None  None  Password number  None  None  Fill scale value  Digit  Limited password number  None  None  None  None  Password number  None  None  None  None  Password number  None  None  None  Password number  None  None  None  None  Password number  None  None  None  Password number  None  None  None  Password number  None  None  Password number  None  None  None  Password number  None  None  None  Password number  None  None  None  Password number  None  Password number  None  None  Password number  None  None  Password number  None  Password number  None  Password number  None  None  Password number  None  Password number  None	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by 7 down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting diate size.  2. If FRAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Saf FRAM to factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. Returns the judgment result.  1. Read factory default data of FRAM.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None None None Ijudgment result None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-1-6] req[6-10-2-2]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password ON/OFF setting setection processing Maintenance password on/OF setting setection processing Maintenance password value setting selection processing FRAM factory default update processing FRAM factory string storage display processing FRAM factory shipped data LOAD processing FRAM factory default data (ularm point) of FRAM Factory default settings of FRAM Factory default settings of FRAM Factory default settings of FRAM Confirm reading of factory default	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing processing Perform reading confirmation processing of factory default settings of FRAM Perform reading confirmation processing of factory	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  None  FRAM setting data size Number of writes FRAM stata SUM calculation result  Main unit error status  None  None  None  None  None  Solution of writes  FRAM stata SUM calculation result  Main unit error status  None  None  1 Stata address of factory shipping area  Read size  1 st alarm point 2 and alarm point 3 rd alarm point  None  Full scale value  Digit  Util Scale value  Digit Value	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by 7 down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting diate size.  2. If FRAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Saf FRAM to factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. Returns the judgment result.  1. Read factory default data of FRAM.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Eding variables Item Number Eding variables Password protection ON/OFF Number of writes  judgment result None None None None None Ijudgment result
roq[6-8-4-6] roq[6-8-4-8] roq[6-8-4-8] roq[6-8-4-10] roq[6-9-1-1] roq[6-10-1-2] roq[6-10-1-6] roq[6-10-2-1] roq[6-10-2-1] roq[6-10-2-1] roq[6-10-2-2]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password ON/OFF setting setection processing Maintenance password on/OF setting setection processing Maintenance password value setting selection processing FRAM factory default update processing FRAM factory string storage display processing FRAM factory shipped data LOAD processing FRAM factory default data (ularm point) of FRAM Factory default settings of FRAM Factory default settings of FRAM Factory default settings of FRAM Confirm reading of factory default	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing processing Perform reading confirmation processing of factory default settings of FRAM Perform reading confirmation processing of factory	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  Stat address of factory shipping area dadress of factory shipping area dadress of factory shipping area shadows of factory shipping area shipping and shipping area shipping and shipping and shipping area shipping and shipp	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by 7 down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting diate size.  2. If FRAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Saf FRAM to factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. Returns the judgment result.  1. Read factory default data of FRAM.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None None None Ijudgment result
roq[6-8-4-6] roq[6-8-4-8] roq[6-8-4-8] roq[6-8-4-10] roq[6-9-1-1] roq[6-10-1-2] roq[6-10-1-6] roq[6-10-2-1] roq[6-10-2-1] roq[6-10-2-1] roq[6-10-2-2]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting start processing Maintenance password value setting start processing Maintenance password ON/OFF setting setection processing Maintenance password on/OF setting setection processing Maintenance password value setting selection processing FRAM factory default update processing FRAM factory string storage display processing FRAM factory shipped data LOAD processing FRAM factory default data (ularm point) of FRAM Factory default settings of FRAM Factory default settings of FRAM Factory default settings of FRAM Confirm reading of factory default	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing processing Perform reading confirmation processing of factory default settings of FRAM Perform reading confirmation processing of factory	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  None  Lepansion destination address Start address of factory shipping area Read size  start address of factory shipping area Read size  full stalarm point STEL alarm point	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by 7 down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting diate size.  2. If FRAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Saf FRAM to factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. Returns the judgment result.  1. Read factory default data of FRAM.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None None None Ijudgment result
roq[6-8-4-6] roq[6-8-4-8] roq[6-8-4-8] roq[6-8-4-10] roq[6-9-1-1] roq[6-10-1-2] roq[6-10-1-6] roq[6-10-2-1] roq[6-10-2-1] roq[6-10-2-1] roq[6-10-2-2]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password Value setting start processing Maintenance password Value setting start processing Maintenance password Value setting steriting selection processing Maintenance password value setting selection processing Maintenance password value setting selection processing Acquisition of password protection ON/OFF setting FRAM factory default update execution processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display 1 processing Factory setting storage display 2 processing Factory setting storage display Factory setting storage display Factory setting storing processing FRAM factory sinjaped data LOAD processing  Read factory default data (alarm point) of FRAM  Confirm reading of factory default data (alarm point) of FRAM  Factory default restore display	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing processing Perform reading confirmation processing of factory default settings of FRAM Perform reading confirmation processing of factory	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  None  None  None  FRAM setting data size Number of writes FRAM data SUM calculation result  Main unit error status  None  None  None  Expansion destination address Start address of factory shipping area Read size  stat alarm point 2nd alarm point STEL slamm point STEL slamm point STEL slamm point None  Full scale value Digit unit 1st alarm point 2nd alarm point 2nd alarm point 3nd alarm point 3nd alarm point 3nd alarm point 3nd alarm point 1st alarm point 3nd alarm point 3nd alarm point 1st alard alard settable upper limit value	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by 7 down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting diate size.  2. If FRAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Saf FRAM to factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. Returns the judgment result.  1. Read factory default data of FRAM.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Password protection ON/OFF Number of writes  judgment result None None None None None Ijudgment result None
req[6-8-4-6] req[6-8-4-8] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-2] req[6-10-2-1] req[6-10-2-2] req[6-10-2-3] req[6-10-2-4] req[6-10-2-4] req[6-10-2-4]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password ON/OFF setting start processing Maintenance password ON/OFF setting selection processing Maintenance password on/OFF setting selection processing Maintenance password on/OFF setting selection processing Acquisition of password protection ON/OFF setting FRAM factory default update execution processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storing of progress display processing Factory setting storage display 1 processing Factory setting storage display 2 processing Factory setting storage display Processing Factory setting storing processing Fractory default settings of FRAM Confirm reading of factory default data (alarm point) of FRAM  Factory default settings of FRAM Factory default settings of FRAM Factory default setting restore	end processing Perform minimenance password value setting end processing Perform minimenance password ON/OFF setting start processing Perform minimenance password value setting start processing Perform minimenance password value setting start processing Perform minimenance password No/OFF setting selection processing Perform minimenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing display 1 processing Perform factory setting storing display 2 processing Perform factory setting storing display 2 processing Perform factory setting storing processing Perform factory default data of FRAM Load factory default settings of FRAM Perform reading confirmation processing of factory default data (alarm point) of FRAM Perform factory default settings of FRAM	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  Stat address of factory shipping area dates Sultandress of factory shipping area dates Sultandress of factory shipping area shadows of factory shipping area shadows of factory shipping area shadows of factory shipping area factory shipping area shadows of factory shipping area shipping and shipping area shipping area shipping and shipping and shipping area shipping and shipping area shipping and shipping and shipping area shipping and sh	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password ON/OFF setting in the Item number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the Item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by 7 down numerical value setting.  1. Put ON/OFF replacement processing in Item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting data size.  2. Under Rote and FRAM are normal, update FRAM to factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Safe FRAM to factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. Returns the judgment result.  1. Read factory default data of FRAM.  1. Read factory default data of FRAM.  1. Retirieve backup of current setting.  2. FRAM Load factory default setting.  3. FRAM Load factory default setting.  4. FRAM Load factory default setting.  5. FRAM Load factory default setting.  6. FRAM Load factory default setting.  7. FRAM Load factory default setting.  8. FRAM Load factory default setting.  9. FRAM Load factory default setting.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Item Number Password protection ON/OFF Number of writes  judgment result None None None None indgment result None indgment result
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-2-1] req[6-10-2-2] req[6-10-2-3] req[6-10-2-4] req[6-10-2-4] req[6-10-2-4]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting selectine processing Maintenance password value setting selection processing Acquisition of password protection ON/OFF setting FRAM factory default update execution processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display processing Factory setting storage display processing Fractory setting storage display processing Fractory default data (alarm point) of FRAM Confirm reading of factory default data (alarm point) of FRAM  Factory default settings of FRAM  Confirm reading of factory default data (alarm point) of FRAM  Factory default settings restore display 1 processing Fractory default setting restore display 1 processing	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password No/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display processing Perform factory setting storing processing Perform factory default settings of FRAM Perform reading confirmation processing of factory default data (alarm point) of FRAM Perform reading confirmation processing of factory default data (alarm point) of FRAM	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  Start address of factory shipping area address of fac	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by Johan numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting diata size.  2. Lif RAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character diata corresponding to factory setting record display 1.  1. Creates character diata corresponding to factory setting record display 2.  1. Set FRAM to factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not got pread in actory.  6. Returns the judgment result.  1. Read factory default data of FRAM.  1. Retirieve backup of current setting.  2. FRAM Load factory default settings.  1. Creates character data corresponding to factory reset.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Item Number Password protection ON/OFF Number of writes  judgment result None None None judgment result None None judgment result
req[6-8-4-6] req[6-8-4-8] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-2] req[6-10-2-1] req[6-10-2-2] req[6-10-2-3] req[6-10-2-4] req[6-10-2-4] req[6-10-2-4]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password Value setting start processing Maintenance password Value setting start processing Maintenance password ON/OFF setting steelcrion processing Maintenance password ON/OFF setting setection processing Maintenance password Value setting selection processing Acquisition of password protection ON/OFF setting FRAM factory default update processing FRAM factory default update processing FRAM factory default update processing FRAM factory setting storing in progress display processing Fractory setting storage display 1 processing Fractory setting storage display 2 processing FRAM factory storage display 2 processing FRAM factory setting storage display 2 processing FRAM factory default data (alarm point) of FRAM Confirm reading of factory default data (alarm point) of FRAM Confirm reading of factory default data (alarm point) of FRAM Fractory default setting storage fine storage Fractory default setting storage Fractory default setting storage fine	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Acquire password protection ON/OFF setting Perform FRAM factory default update execution processing Perform factory setting storing in progress display processing Perform factory setting storing processing Perform factory default data of FRAM Perform reading confirmation processing of factory default data (alarm point) of FRAM Perform factory default settings of FRAM Perform factory default setting restore display processing Perform factory default setting restore display 1 processing Perform factory default setting restore display 2 processing	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  Stat address of factory shipping area  Read size  1st alarm point  2nd alarm point  TWA alarm point  1st alarm point  1st alarm point  TWA alarm point  1st alarm point  1st alarm point  TWA alarm point  1st alarm point  1st alarm point  1st alarm point  1st alarm point  TWA alarm point  1st alarm point	2. Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by J down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting distal size.  2. Under FRAM setting distal size.  2. If FRAM can not be factory-set, turn on FRAM for factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character dista corresponding to factory setting record display 1.  1. Creates character dista corresponding to factory setting record display 2.  1. Safe FRAM for factory condition.  2. Recel alarm point.  1. FRAM Load factory default setting.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not got great Matchy shorter dista.  2. If the gas setting is changed, turn off the slarm reset ON/OFF setting flag.  1. Creates character data corresponding to factory default setting.  2. FRAM Load factory default data of FRAM.  1. Creates character data corresponding to factory default setting return display 2.  1. Creates character data corresponding to factory default setting return display 2.	Maintenance password number Item Number Item Number Item Number Up / down change setting of numerical value Editing variables Item Number Editing variables Item Number Password protection ON/OFF Number of writes  judgment result None None None judgment result None None None None None None None None
req[6-8-4-6] req[6-8-4-7] req[6-8-4-8] req[6-8-4-9] req[6-8-4-10] req[6-9-1-1] req[6-10-1-2] req[6-10-1-3] req[6-10-2-1] req[6-10-2-2] req[6-10-2-3] req[6-10-2-4] req[6-10-2-4] req[6-10-2-4]	setting end processing Maintenance password value setting end processing Maintenance password ON/OFF setting start processing Maintenance password value setting selectine processing Maintenance password value setting selection processing Acquisition of password protection ON/OFF setting FRAM factory default update execution processing FRAM factory default update processing Factory setting storing in progress display processing Factory setting storage display processing Factory setting storage display processing Fractory setting storage display processing Fractory default data (alarm point) of FRAM Confirm reading of factory default data (alarm point) of FRAM  Factory default settings of FRAM  Confirm reading of factory default data (alarm point) of FRAM  Factory default settings restore display 1 processing Fractory default setting restore display 1 processing	end processing Perform maintenance password value setting end processing Perform maintenance password ON/OFF setting start processing Perform maintenance password value setting start processing Perform maintenance password value setting start processing Perform maintenance password N/OFF setting selection processing Perform maintenance password value setting display selection processing Acquire password protection ON/OFF setting Perform FRAM factory default update processing Perform FRAM factory default update processing Perform factory setting storing in progress display processing Perform factory setting storing in progress display Perform factory setting storing display 2 processing Perform factory setting storing display 2 processing Perform factory setting storing display 2 processing Perform factory setting storing processing Perform factory default data of FRAM  Load factory default settings of FRAM  Perform reading confirmation processing of factory default data (alarm point) of FRAM  Perform factory default setting restore display processing Perform factory default setting restore display processing Perform factory default setting restore display processing Perform factory default setting restore display	Editing variables  Maintenance password ON/OFF setting  Maintenance password number  None  Start address of factory shipping area  Read size  1st alarm point  2nd alarm point  TWA alarm point  1st alarm point  1st alarm point  1st alarm point  TWA alarm point  1st alarm point  1st alarm point  1st alarm point  1st alarm point  TWA alarm point  1st alarm point  1st alarm point  1st alarm point  1st alarm point  TWA alarm point  1st alarm point	2. Turnor FRAM write start flag.  1. Put the maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by 7 down numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting data size.  2. Substitute FRAM setting data size.  2. Substitute FRAM setting data size.  2. Substitute FRAM are normal, update FRAM to factory default state.  2. If FRAM can to the factory-set, turn on FRAM error flag.  1. When ROM and FRAM are normal, update FRAM to factory default state.  2. If FRAM can to the factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Set FRAM to factory condition.  2. Reset alarm point.  2. Reset alarm point.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  6. Returns the judgment result.  1. 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Turnor FRAM write start flag.  1. Set the 4-digit maintenance password number.  1. Initialize item number.  2. Set the 4-digit maintenance password ON/OFF setting in the item number.  1. Initialize item number.  2. Set the 4-digit maintenance password number.  3. Turnoff by Johan numerical value setting.  1. Put ON/OFF replacement processing in item number.  1. MAINTE Include increase / decrease process of numerical value corresponding to password value setting in editing variable.  1. Return ON/OFF setting of password protection.  1. Substitute FRAM setting data size.  2. Under AND and FRAM are normal, update FRAM to factory default state.  2. If FRAM can not be factory-set, turn on FRAM error flag.  1. Creates character data corresponding to the factory setting record display 1.  1. Creates character data corresponding to factory setting record display 2.  1. Saf FRAM for factory condition.  2. Recet alarm point.  1. FRAM Load factory data 2 faces.  2. Match write process.  3. Compare which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  4. Write on the old side.  5. If you do not know which side is the latest.  1. Read factory default data of FRAM.  1. Read factory default data or FRAM.  1. Retrieve backup of current setting.  2. FRAM Load factory default data corresponding to factory reset.  1. Creates character data corresponding to factory default setting return display 2.  1. Creates character data corresponding to factory default setting return display 2.  1. Creates character data corresponding to factory default setting return display 2.  1. Creates character data corresponding to factory default setting return display 2.  1. 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req[6-11-2-4]	Processing display initialization processing	Processing display initialization processing	None	Set the pump stop flag to false.     Set the purging flag to false.	Pump stop flag Purging flag
	Create TURNOFF display	Perform display creation processing at TURNOFF	None	Set the purge count timer to 0.     Clear LCD display data.	Purae count timer None
req[6-11-2-5]				Set the display type to turn off.     Show turn off.	
req[6-11-2-6]	Pump purge display processing	Pump purge display processing	None	Set the display type to purge.	None
req[6-11-2-7]	Purging flag setting process	Purging flag setting process	Request flag	Show purge and remaining purge time.      Assign the request flag to the purging flag.	Purging flag
req[6-11-2-8]	Purging flag acquisition process	Purging flag acquisition process	None	Return purging flag.	Purging flag
req[6-11-2-9] req[6-11-2-10]	Purge count timer setting process  Purge time end confirmation process	Purge count timer setting process  Purge time end confirmation process	None Purge count timer	Assign the maximum purge time (30 seconds) to the purge count timer.      Returns false if the purge count timer is non-zero, and true if it is zero.	Purge count timer Purge completion flag
reg[6-11-2-10]	10msec interrupt processing for	10msec interrupt processing for processing display	Purge count timer	Decrement the purge count timer is non-zero, and true in it is zero.	Purge count timer
	processing display PowerOff display ON/OFF forced off	Acquire forced OFF flag of PowerOff display ON/OFF	None	Turnoff Return display forced OFF flag.	turn off display forced OFF flag
req[6-11-2-12]	flag acquisition processing				
	Process of acquiring flag of PowerOff display ON/OFF	Acquire the flag of PowerOff display ON/OFF	turn off indication flag	<ol> <li>When the turn off display flag is ON and the turn off display forced OFF flag is ON, the result is turned off.</li> </ol>	result
req[6-11-2-13]	Tomaton display of vol 1			<ol><li>When the turn off display flag is ON and the turn off display forced OFF flag is OFF,</li></ol>	
				the result is turned on.  3. When the turn off indication flag is OFF, the result is turned off.	
				4. Return results.	
	Judgment processing of PowerOff display	Perform PowerOff display judgment processing	A buffer to store the determined key eventturn off indication flag	When the key event is other than the power key, execute the following processing 2 to 3.     Initialize the confirmation count of turn off indication.	Confirmation count of turn off indication turn off indication flag
req[6-11-2-14]			-	Turnoff indicator flag.     When the key event is the power key and the confirmation count of the turn off indication.	
				is larger than 3, the turn off indication flag is turned on.	
req[6-11-2-15]	Process of acquiring PowerOff display flag	Acquire PowerOff display flag	None	Return turn off indication flag.	turn off indication flag
rea[6-11-2-16]	Key activation long press time	Perform key activation long press time reset	None	Initialize key press time.	Key press time
1eq[0-11-2-10]	reset processing Forced OFF flag setting processing	processing Perform forced OFF flag setting processing of	None	When the ON/OFF setting flag is OFF, turn off the turn off display forced	turn off display forced OFF flag
req[6-11-2-17]	of PowerOff display ON/OFF	PowerOff display ON/OFF	INDITE	OFF flag.	turn on display forced OFF flag
	Power OFF processing	Perform power OFF processing	Power off execution flag	When the ON/OFF setting flag is ON, turn on the turn off display forced OFF flag.      When USB status confirmation processing is OFF, the FRAM writing start flag is OFF or	Power port
	rower or r processing	renom power or r processing	Forced power OFF execution flag	the forced power OFF OFF execution flag is ON, execute the following processing 2 to 4.	r ower port
			FirmUpdate flag	Stop SPI of dedicated function.     Stop IIC of SCI6.	
req[6-11-2-18]				4. Stop UART of SCI9. 5. Stop interrupt.	
				6. Stop the MCU power supply voltage monitoring function	
				<ol><li>When the FirmUpdate flag is ON, USB communication function is stopped.</li></ol>	
req[6-11-2-19]	ON processing of the power OFF flag		None	Turnon the power OFF execution flag.	Power off execution flag
req[6-11-2-20]	ON processing of the power OFF flag  Acquisition processing of the power	turn on forced power OFF flag  Perform acquisition processing of the power OFF flag	None None	Turnon the forced power OFF execution flag.     Return the power OFF flag.	Forced power OFF execution flag Power OFF flag
req[6-11-2-21]	OFF flag			· · · · · · · · · · · · · · · · · · ·	-
	Communication processing initialization processing	Perform communication processing initialization processing	None	Assign initial values to the receive buffer.     Assign initial values to the transmit buffer.	Receive buffer Transmit buffer
				Assign the initial value to the receive data counter.     Assign an initial value to the end character save buffer.	Receive data counter End character save buffer
req[7-1-1-1]				<ol><li>Assign the initial value to the receive completion flag.</li></ol>	Receive completion flag
				Assign initial values to the communication operation flags.     Initialize the LIART5 driver.	Communication operation flag
real7 4 4 °	Communication processing device	Perform communication processing device startup	None	1 Start the IIARTS driver	Communication operation flag
req[7-1-1-2]	startup processing Communication processing device	processina Perform communication processing device stop	None	Set the communication operation flag to ON.     Stop the UART5 driver.	
req[7-1-1-3]	stop processing	processing		Set the communication operation flag to OFF.	Communication operation flag
	Communication reception data analysis Transmission data creation	Perform communication reception data analysis Transmission data creation processing	Communication operation flag Reception completion flag	<ol> <li>When the communication operation flag is ON and the reception completion flag is ON, the following processing is performed.</li> </ol>	Received data counter Reception completion flag
	processing			<ol><li>Check the SUM value of the received data.</li></ol>	
req[7-1-1-4]				Copy the command part of the receive buffer to the transmit buffer.     Execute command processing and get the number of transmitted data.	
				Send the data in the send buffer.     Set the initial value to the received data counter.	
				Set the initial value to the received data counter.     Set the reception completion flag to OFF.	
	Communication reception data	Perform communication reception data acquisition	Received data	If the communication operation flag is ON, perform the following processing.	Receive buffer
	acquisition processing	processing	Communication operation flag	Store the received data in the receive buffer and increment the received data counter.     If the receive data counter is greater than the maximum counter value, clip to the	Received data counter End character save buffer
req[7-1-1-5]				maximum counter value.	Reception completion flag
				<ol><li>If the received data is the end character, set the received data to the end character save buffer and set the reception completion flag to ON.</li></ol>	
req[7-1-1-6]	Communication reception error	Perform communication reception error processing	None	Assign initial values to the receive buffer.	Receive buffer
red[1-1-1-0]	processing Received data SUM value	Perform received data SUM value confirmation	Receive buffer pointer	Assign the initial value to the received data counter.     Initialize the command top flag.	Received data counter Result flag
	confirmation processing	processing	Receive data size	Initialize the SUM buffer.	Result liag
				<ol><li>Start SUM calculation when the received data is STX, and end SUM calculation when the received data is ETX.</li></ol>	
req[7-1-1-7]				4. If the calculated SUM value and the received SUM value match, assign normal to the	
				result flag, and if they do not match, assign abnormal to the result flag.  5. Return the result flag.	
	USB communication partner	Perform USB communication partner confirmation	None	If the USB connection confirmation port is ON, set the result flag to indicate that there is	Result flag
see[7.1.1.0]	confirmation process	process	1000	a communication partner, and if it is OFF, set the result flag to indicate that there is no	resouring
req[7-1-1-8]				communication partner. 2. Return the result flags.	
	USB communication mode no-partner	Perform USB communication mode no-partner	None	Decrement if the no communication partner counter is non-zero.	None
	warning processing	warning processing	11010	2. If the USB connection confirmation port is ON, set the maximum value (3 minutes) to the	TO T
req[7-1-1-9]				no communication partner counter.  3. If the no-communication partner counter is 0, request the alarm of the failure buzzer, and	
				if it is not 0, request the stop of the failure buzzer.	
see[7.1.1.10]	Communication device start/stop	Perform communication device start/stop status	None	Return the communication operation flag.	Communication operation flag
req[7-1-1-10]	status acquisition process Communication device transmission	acquisition process Perform communication device transmission status	None	Get UART5 transmission status.	Result flag
req[7-1-1-11]	status acquisition processing	acquisition processing		<ol><li>If the UART5 transmit state is non-zero, assign true to the result flags, otherwise assign</li></ol>	an mag
164[/-1-1-11]				false to the result flags.  3. Return result flags.	
	Communication transmission data	Perform communication transmission data setting	Transmission buffer pointer	Assign the transmit data end character to the transmit buffer.	None
	setting processing	processing	Send data size	Obtain the data size to calculate the SUM value and calculate the SUM value.     Convert the SUM value to 2-byte ASCII.	
req[7-1-1-12]				<ol><li>Assign the SUM value to the specified position in the transmit buffer.</li></ol>	
1				Assign a terminator to the specified position in the send buffer.     Calculate the transmission data size.	
				7. Send send data.	
	SUM calculation process	Perform SUM calculation process	SUM calculation target buffer pointer	Initialize the SUM value storage buffer.	SUM value
req[7-1-1-13]			Buffer size	Calculate the SUM value by accumulating the buffer data to be calculated.     Return the SUM value.	
	Communication command judgment	Perform command deend processing of	Assignment properties	Obtain command table.	received data
req[7-1-1-14]	processing	communication	received data Subcommand	If the SUM check is normal, the command table is looped to the end.     Returns the command judgment result.	
ree[7 4 4 45]	SUM calculation processing for transmission of communication	Perform SUM calculation processing for transmission of communication	received data Receive data size	Add received data by received data size.     Calculate the difference between received data added with 0x00U.	SUM value
req[7-1-1-15]		or communication	Subcommand	Calculate the difference between received data added with 0x000.     Return the value obtained by 2.	
	end processing of response frame of communication	Terminate the response frame of communication	received data	Acquire data end.     Get SUM value.	Data end SUM value
req[7-1-1-16]			Receive data size	Get transfer endpoint.	Transfer end
req[7-1-1-17]	SUM calculation processing of received data of communication	Perform SUM calculation of received data of communication	buffer	Calculate the SUM value of the received data.	SUM value
.040-1-1-1/1					
	Communication command: Gas information	Perform communication command processing for gas information	received data Receive data size	Get the gas number with the W command, execute the following processing 2 to 4, then transmit it.	Receive data size End of response frame
		- 5	Subcommand	Processing for setting gas data of nonvolatile memory.	
18				Gas data setting processing of concentration calculation data.     RL78 communication setting reconfiguration processing.	
				With the R command, character data corresponding to the gas information is created.     Returns the end of the response frame.	
				o. Instants are end of the response frame.	
<b></b>	Communication command:	Perform communication command processing	received data	With the R command, character data creation processing and concentration data on	Receive data size
req[7-1-1-19]	Gas table information	for gas table information	Receive data size Subcommand	gas table information are converted to ASCII.  2. Returns the end of the response frame.	End of response frame
<b>—</b>	Communication command:	Perform communication command processing	received data	W command sets NC sensor reading gas data and transmits it.	Receive data size
	Flammable reading setting	for flammable reading setting	Receive data size	<ol><li>Convert HEX data to ASCII data with R command.</li></ol>	End of response frame
req[7-1-1-20]	i .	Perform communication command processing	Subcommand received data	Returns the end of the response frame.     Convert concentration data to ASCII with W command.	Alarm point
req[7-1-1-20]	Communication command: Setting for		Receive data size Subcommand	2. In the reading process, when each alarm is OFF, character data corresponding to each alarm is created.	Receive data size End of response frame
	Communication command: Setting for each alarm function gas type	for alarm point setting			ста и техропое тате
req[7-1-1-20]	Communication command: Setting for each alarm function gas type	for alarm point setting	Subcommand	<ol><li>In the reading process, when each alarm is ON, convert the concentration data to ASCII.</li></ol>	
	Communication command: Setting for each alarm function gas type	for alarm point setting	Subcommand	<ol> <li>In the reading process, when each alarm is ON, convert the concentration data to ASCII.</li> <li>Returns the end of the response frame.</li> </ol>	
	each alarm function gas type  Communication command:	Perform communication command processing	received data	Returns the end of the response frame.      W command to write the lower limit value and upper limit value of the alarm point.	Receive data size
	each alarm function gas type		received data Receive data size Subcommand	Returns the end of the response frame.	End of response frame Alarm point setting lower limit value
21	each alarm function gas type  Communication command:	Perform communication command processing	received data Receive data size Subcommand Alarm point setting lower limit value	4. Returns the end of the response frame.  1. W command to write the lower limit value and upper limit value of the alarm point.  2. Using the R command, read the lower limit and upper limit of the alarm point.	
21	each alarm function gas type  Communication command: Alarm point setting range  Communication command:	Perform communication command processing	received data Receive data size Subcommand Alarm point setting lower limit value Alarm point setting upper limit value received data	4. Returns the end of the response frame.  1. W command to write the lower limit value and upper limit value of the alarm point.  2. Using the R command, read the lower limit and upper limit of the alarm point.  3. Returns the end of the response frame.  1. W command writes the lower limit value and upper limit value of the STEL alarm.	End of response frame Alarm point setting lower limit value
21 req[7-1-1-22]	each alarm function gas type  Communication command: Alarm point setting range	Perform communication command processing for the alarm point settable range	received data Receive data size Subcommand Alarm point setting lower limit value Alarm point setting upper limit value received data Receive data size	4. Returns the end of the response frame.  1. W command to write the lower limit value and upper limit value of the alarm point.  2. Using the R command, read the lower limit and upper limit of the alarm point.  3. Returns the end of the response frame.  1. W command writes the lower limit value and upper limit value of the STEL alarm.  1. W command writes the lower limit value and the upper limit value of the STEL alarm.	End of response frame Alarm point setting lower limit value Alarm point setting upper limit value Receive data size End of response frame
21	each alarm function gas type  Communication command: Alarm point setting range  Communication command:	Perform communication command processing for the alarm point settable range	received data Receive data size Subcommand Alarm point setting lower limit value Alarm point setting upper limit value received data Receive data Seceive data size Subcommand STEL Alarm point setting lower limit value	4. Returns the end of the response frame.  1. W command to write the lower limit value and upper limit value of the alarm point.  2. Using the R command, read the lower limit and upper limit of the alarm point.  3. Returns the end of the response frame.  1. W command writes the lower limit value and upper limit value of the STEL alarm.	End of response frame Alarm point setting lower limit value Alarm point setting upper limit value Receive data size
21 req[7-1-1-22]	each alarm function gas type  Communication command: Alarm point setting range  Communication command:	Perform communication command processing for the alarm point settable range	received data Raceive data size Supermoner data size Supermoner data size Supermoner data size Supermoner data size Raceive data Raceive data size Subcommand	4. Returns the end of the response frame.  1. W command to write the lower limit value and upper limit value of the alarm point.  2. Using the R command, read the lower limit and upper limit of the alarm point.  3. Returns the end of the response frame.  1. W command writes the lower limit value and upper limit value of the STEL alarm.  2. Read the lower limit value and the upper limit value of the STEL alarm with the R command.	End of response frame Alarm point setting lower limit value Alarm point setting upper limit value Receive data size End of response frame STEL Alarm point setting lower limit value

Amount						
Concession	req[7-1-1-24]			Receive data size Subcommand TWA alarm point setting lower limit value		End of response frame TWA alarm point setting lower limit value
April   Compare of the part   Compare of the	req[7-1-1-25]	CAL concentration	for CAL concentration	received data Receive data size Subcommand	In the R command, change the numeric value to character data.     Returns the end of the response frame.	Receive data size End of response frame
Services of the part of the pa	req[7-1-1-26]	CAL concentration setting possible	Perform communication command processing for the CAL concentration setting possible range	Receive data size	concentration.  2. Read the lower limit value and upper limit value of the calibration concentration with the R command.	Upper limit of calibration concentration Receive data size
April	req[7-1-1-27]	CAL group	for the CAL group	Receive data size Subcommand	Acquire proof group with W command.     In the R command, change the numeric value to character data.     Returns the end of the response frame.	Receive data size End of response frame
April   Company   Compan	req[7-1-1-28]			Receive data size	Change numeric value to character data.     Acquire concentration before final calibration.     Acquire concentration after final calibration.	Concentration value after final calibration Receive data size
Page	req[7-1-1-29]			Receive data size	<ol> <li>With the R command, character data corresponding to the final calibration history SDM serial is created.</li> </ol>	
Contraction contents   Contraction contents (press of the contents of the co	req[7-1-1-30]			Receive data size	Change numeric value to character data.     Acquire concentration at final bump test.	
Section of the company of the compan	req[7-1-1-31]			Receive data size	S. Returns the end of the response frame.     With the R command, character data corresponding to the final BUMP history     SDM serial is created.	
## William Service of the Control of the Service of	see[7.4.4.22]		Perform communication command processing	received data	Write the maintenance announcement date and time with W command.	
Microbiological processory  Mi	Teq[7-1-1-32]	and time		Subcommand	<ol><li>Returns the end of the response frame.</li></ol>	End of response frame
And Conference processing.  And Conference procesing.  And Conference processing.  And Conference processing.  And	req[7-1-1-33]	AIR calibration processing	for AIR calibration processing	Receive data size Subcommand	2. In the R command, the span coefficient, the temperature value of the combusible sensor and the temperature value of the oxygen sensor are acquired.  3. When the following conditions 4 to 6 are satisfied with the C command, it is regarded as a zero calibration error.  4. AIR calibration is not executed.  5. Gas setting is valid.  6. Zero calibration is adnormal.  7. Returns the end of the nesponse frame.	End of response frame
Supplies and the second of the						
Manual Content of the Content of t	req[7-1-1-34]			Subcommand	2. Acquire the SDM serial number. 3. Set the calibration concentration. 4. Perform AUTO calibration. 4. Perform AUTO calibration. 5. Using the R Command, obtain the serial number that was used correctly and the temperature value of the inflammable sensor. 6. When the Blobwing conditions 4 to 6 are satisfied with the C command, it is regarded. 7. AUTO calibration is not executed. 8. Gas setting is valid. 9. Zero calibration is abnormal. 10. Returns the end of the response frame.	End of response frame
Demonstration comments of management of the comment of the comme	req[7-1-1-35]	Sensor · battery replacement date	Perform communication command processing for Sensor - battery replacement date and time	Receive data size	with W command.  2. Read sensor replacement date and time and battery replacement date and time with R command.	Battery replacement date and time Receive data size
Security of the following value cannot be transposed from the first interest of the part of the common and the first interest of the part of the common and the first interest of the part of the common and the first interest of the part of the par	req[7-1-1-36]	Main serial number	on main serial number	Receive data size Subcommand	W command to write the main serial number.     Read main serial number with R command.     Returns the end of the response frame.	End of response frame
Legis 1-100 last ET	req[7-1-1-37]	Main temporary serial number	for main temporary serial number	Receive data size Subcommand	Using the R command, read the temporary serial number of the main MCU.     Returns the end of the response frame.	End of response frame
Commencator command.  Whether communication command.  The commencator	req[7-1-1-38]			Receive data size	Execute the following processing 3 to 4 with the R command.     Let NULL character be a space.     Read user ID.	
Communication commands   Perform communication command processing   Perform communication commands   Perform communication command	req[7-1-1-39]			Receive data size	W command to write the station ID.     Execute the following processing 3 to 4 with the R command.     Let NULL character be a space.     Read station ID.	
South the South of the Communication command processing with the South of the Communication Command (South South S	req[7-1-1-40]	SPE No	for SPE No	Receive data size Subcommand	Write SPE No with W command.     Read SPE No with R command.     Returns the end of the response frame.	End of response frame
The property of the common of the control of the property of the common	req[7-1-1-41]	Destination setting	for destination setting	Receive data size Subcommand	Read the destination setting with the R command.     Returns the end of the response frame.	Receive data size End of response frame
Communication commands:  Weight 1-4-did   Communication commands of command processing   Communication commands of command processing   Communication commands of commands   Communication communication commands   Communication comm	req[7-1-1-42]			Receive data size	<ol><li>Read the set backlight lighting time with the R command.</li></ol>	Receive data size
Communication communical.  Description of the processing action of the communication communication command processing accordance as a communication command.  Perform communication command processing accordance as a communication command processing accordance as a communication command.  Perform communication command processing accordance as a communication command processing accordance as a communication command.  Perform communication command processing accordance as a com	req[7-1-1-43]		Perform communication command processing for suppression setting	received data Receive data size	With W command, set display of suppression ON/OFF and suppression ON/OFF.     With the R command, ON/OFF of set suppression and ON/OFF display of suppression are read.	Suppress ON/OFF setting Suppress ON/OFF display setting Receive data size
Communication command:	req[7-1-1-44]			Receive data size	Set ON/OFF of zero tracking and ON/OFF of zero tracking by W command.     With the R command, ON/OFF of the set zero tracking and ON/OFF of the zero tracking are read.	ON/OFF display setting of zero tracking Receive data size
Log 16 hunction display ONOFF straing processing of the large file for the set of the larged daily of the larged file for the set of the larged daily of th	req[7-1-1-45]	Communication command: Long life ON/OFF		Receive data size	Set ON/OFF of long-life mode with W command.     Read the set long-life mode with the R command.	ON/OFF setting of long life mode Receive data size
Paramatele LEL Numerical value  of fammable LEL value  from command:  Security of the command:	req[7-1-1-46]	processing	function display ON/OFF function	Receive data size Subcommand	<ol> <li>Convert ON / OFF of the set long life function display to '0', '1' with R command.</li> <li>Returns the end of the response frame.</li> </ol>	Receive data size End of response frame
Fergit 1-1-146] Formunication command: Fergit 1-1-146] Formunication command: Fergit 1-1-146] Formunication command: Formunication command: Fergit 1-1-146] Formunication command: Fergit 1-146] Formunication command: Fergit 1-1-146] Formunication command: Fergit 1-1-146] Formunication command: Fergit 1-1-146] Formunication command: Fergit 1-1-146] Formunication command: Fergit 1-146] Formunication command: Fergit 1-1-146] Formunication command:	req[7-1-1-47]	Communication command: Flammable LEL Numerical value		Receive data size Subcommand	Setting flammable LEL numerical value.     Set LEL value for flammable gas data.     Read the set flammable LEL value with the R command.	Ppm equivalent to LEL Receive data size
neg7-11-49] Magin value display ONOFF setting on the margin value display ONOFF setting Subcommand 9. Receive data size 9. 2. by using the R command, the displayind margin value display is mad. Receive data size 1. Set using the receipt of the response trainer and critical with W command. Receive data size 1. Set using the receipt of the response trainer 1. Set using the	req[7-1-1-48]	Flammable sensor mode confirmation	for flammable sensor mode confirmation	Receive data size Subcommand	Read the flammable sensor mode with the R command.     Returns the end of the response frame.	
reg 7-11-50  Alarm operation   for alarm operation setting   Roceive data size   2. Read set alarm action with R command.   End of response frame.	req[7-1-1-49]	Margin value display ON/OFF	on the margin value display ON/OFF setting	Receive data size Subcommand	By using the R command, the displayed margin value display is read.     Returns the end of the response frame.	Receive data size End of response frame
req[7-1-1-51] Integration alarm ONOFE for integration alarm ONOFE stetting Communication command: Communication co		Alarm operation  Communication command:	for alarm operation setting  Perform communication command processing	Receive data size Subcommand received data	Read set alarm action with R command.     Returns the end of the response frame.      Set ON/OFF of integrating alarm with W command.	End of response frame
Alarm function ONOFF   for alarm function ONOFF   for alarm function ONOFF   for alarm function ONOFF   for alarm function ONOFF   setting   Receive data size   Subcommand   Receive data size   Receive da	req[7-1-1-51]	Integration alarm ON/OFF	for integration alarm ON/OFF setting	Receive data size Subcommand	Read set integrated alarm with R command.     Returns the end of the response frame.	Receive data size End of response frame
teq[7-1-1-53]  Steath setting for steath setting for steath setting for steath setting subcommand subcommand.  Receive data size subcommand subcommand subcommand subcommand subcommand subcommand subcommand subcommand.  Receive data size subcommand subco	req[7-1-1-52]	Alarm function ON/OFF  Communication command:	for alarm function ON/OFF setting	Receive data size Subcommand received data	Read the set alarm function with the R command.     Returns the end of the response frame.     Set steath function and steath motor function with W command.	Receive data size End of response frame Stealth function
Confirmation beep setting   Confirmation beep setting   Subcommand   2. Convert the set confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', '3' with the R command and read the confirmation beep setcion to '0', '1', '2', with the R command and read the confirmation beep setcion to '0', '1', '2' with the R command and read the confirmation beep setcion to '0', '1', '2' with the R command.  **Receive data size**  **Perform setting processing of the State Stat	req[7-1-1-53]	Stealth setting	for stealth setting	Receive data size Subcommand	Read the set stealth function and stealth motor function with the R command.     Returns the end of the response frame.	Stealth motor function Receive data size End of response frame
Perform inition dynamics of the inition of the response frame.   Perform setting processing of NCI active flag acquisition reg[7-11-55]	req[7-1-1-54]	Confirmation beep setting	for confirmation beep setting	Receive data size Subcommand	beep time.  2. Convert the set confirmation beep selection to '0', '1', '2', '3' with the R command and read the confirmation beep time.  3. Returns the end of the response frame.	Confirmation beep time setting Receive data size End of response frame
Receive data size  NCI active flag acquisition  Reg[7-11-56]  NCI active flag acquisition  Reg[7-11-57]  Reg[7-11-57]  Reg[7-11-58]  Reg (2-11-58)  Reg (2-1	req[7-1-1-55]		active flag	Receive data size Subcommand	Use R command to set history down and set ACK.     Returns the end of the response frame.	Receive data size End of response frame
reg[7-1-1-57] processing Processi	req[7-1-1-56]	setting process		Receive data size Subcommand	Convert ON/OFF of the set history download function to '0' and '1' with R command.     Returns the end of the response frame.	Receive data size End of response frame
teq[7-11-58] Calibration expiration days on the calibration expiration days of the section of the response frame. End of response frame on the West of the response frame. Communication command:    Communication command:   Perform communication command processing regified to the West of the response frame on the West of the response frame. Communication command:   Perform communication command processing received data   1. Use the W command to set the calibration expiration ON/OFF.   Setting of calibration expiration on the West of the response frame.   End of response frame   End of response frame   End of response frame   End of response frame   End of response frame.   End of response frame   End of response f	req[7-1-1-57]	processing		Receive data size Subcommand	Convert the set NCI active flag value to '0', '1', '2' with R command.     Returns the end of the response frame.	Receive data size End of response frame
req[7-11-59] Calibration expiration ON/OFF for calibration due date ON/OFF setting Subcommand 3. Returns the end of the response frame. End of response frame 1. Use the W command to set the calibration expiration expiration check method.  Communication command: Perform communication command processing for calibration expiration completed peration of the response frame 1. Use the W command to set the calibration expiration check method. Calibration expiration check method to V, 11, 22 with the R command. Receive data size 2. Comment the set calibration expiration checking method to V, 11, 22 with the R command. Receive data size 3. Returns the end of the response frame. End of response frame in exceived data with the R command of the response frame. If the R command is the response frame in the R command is the response frame in the R command is the response frame in the R command of the response frame. If the R command is the response frame in the R command is the R command in the R command is the response frame in the R command in the R command in the R command is the R command in the R command in the R command is the R command in	req[7-1-1-58]	Calibration expiration days	on the calibration expiration days	Receive data size Subcommand	Read the set calibration expiration date with the R command.     Returns the end of the response frame.	Receive data size End of response frame
Communication command: Perform communication command processing for eal(7-11-60) Calibration expiration days  Communication command: Perform communication command processing for ealbration expiration operation  Communication command: Perform communication command processing for BUMP expiration days  Communication command: Perform communication command processing for BUMP expiration days  Teac(7-11-61) Feature W Command to set the calibration expiration check method. Calibration templication expiration deposit method to 10', 11', 2' with the R command. Receive data size  End of response frame  To subtraction the with the R command to 10', 11', 2' with the R command to 10',	req[7-1-1-59]		for calibration due date ON/OFF setting	Receive data size Subcommand	Read the set calibration expiration with the R command.     Returns the end of the response frame.	Receive data size
req[7-1-1-61] BUMP expiration days for BUMP expiration days for BUMP expiration days for BUMP expiration days Receive data size 2. Read the set bump expiration days with the R command. Receive data size	req[7-1-1-60]	Calibration expired operation	for calibration expiration operation	Receive data size Subcommand	<ol> <li>Convert the set calibration expiration checking method to '0', '1', '2' with the R command.</li> <li>Returns the end of the response frame.</li> </ol>	Calibration time limit check method Receive data size End of response frame
	req[7-1-1-61]		Perform communication command processing for BUMP expiration days	Receive data size	<ol><li>Read the set bump expiration days with the R command.</li></ol>	Receive data size

req[7-1-1-62]	Communication command: BUMP time limit ON/OFF Communication command: BUMP expired operation Communication command: Maintenance announcement setting	Perform communication command processing for BUMP time firmit CNVCFF setting  Perform communication command processing for BUMP expired operation  Perform communication command processing for BUMP expired operation	received data Receive data size Subcommand received data Receive data ize Subcommand	1. Set bump time limit ONOFF with W command. 2. Use the R command to read the set bump time limit. 3. Returns the end of the response frame. 1. Set bump expiration operation with W command. 2. Read the set bump expiration operation with the Command.	ON/OFF setting of bump time limit Receive data size End of response frame Bump expiration behavior Receive data size
req[7-1-1-63]	BUMP expired operation  Communication command:	for BUMP expired operation  Perform communication command processing	received data Receive data size	Set bump expiration operation with W command.     Read the set bump expiration operation with the R command.	Bump expiration behavior
req[7-1-1-64]	Communication command: Maintenance announcement setting	Perform communication command processing	Subcommand		
req[7-1-1-64]	maintenance amountenancement setting		received data Receive data size	Returns the end of the response frame.     Use the W command to set the following items 2 to 6.     Maintenance announcement display days.	End of response frame  Maintenance announcement display days Maintenance announcement display
E		to maintaine amountainen seung	Subcommand	A meminerative all nuclearists display ONOFF setting.  Memineration amount emerit display ONOFF setting.  Memineration amount Expired operation.  Setting the setting setting the setting sett	Nonintensiance announcement display  Maintenance announcement Expired operation  Maintenance notice check gas Receive data size  End of response frame
	Communication command: BUMP test condition setting	Perform communication command processing for BUMP test condition setting	received data Receive data size Subcommand	1. Use the W command to set the following items 2 to 6. 2. Bump time search of the Section 3. 3. Bump tolerance. 4. Calibration time after bump fault seconds. 5. Calibration ONOFF after bump fault. 6. Read the set limes with the R command.	Bump time seconds Bump tolerance Calibration time after bump fault seconds Calibration ON/OFF after bump fault Receive data size End of response frame
	Communication command:	Perform communication command processing	received data	Returns the end of the response frame.      Set ON/OFF of ID display with W command.	ON/OFF setting of ID display
	ID display ON/OFF  Communication command:	for ID display ON/OFF setting  Perform communication command processing	Receive data size Subcommand received data	By using the R command, ON/OFF of the set ID display is converted to '0', '1'.     Returns the end of the response frame.     Use W command to set lunch break ON/OFF.	Receive data size End of response frame Lunch break ON/OFF setting
req[7-1-1-67]	Lunch break ON/OFF	for lunch break ON/OFF setting	Receive data size Subcommand	<ol> <li>With the R command, ON/OFF of the set lunch break is converted to '0', '1'.</li> <li>Returns the end of the response frame.</li> </ol>	Receive data size End of response frame
req[7-1-1-68]	Communication command: Key operation sound ON/OFF	Perform communication command processing for key operation sound ON/OFF setting	received data Receive data size Subcommand	1. Set ON/OFF of key operation sound with W command. 2. By using the R command, ON/OFF of the set key operation sound is converted to '0', '1'. 3. Returns the end of the response frame.	Set key operation sound ON/OFF Receive data size End of response frame
req[7-1-1-69]	Communication command: DISP setting item ON/OFF	Perform communication command processing for DISP setting item ON/OFF	received data Receive data size Subcommand	Set ON/OFF of DISP setting item with W command.     With the R command, ON/OFF of the set DISP setting item is converted to '0', '1'.     Returns the end of the response frame.	ON/OFF setting of DISP setting item Receive data size End of response frame
req[7-1-1-70]	Communication command: Auto zero ON/OFF	Perform communication command processing for auto zero ON/OFF	received data Receive data size Subcommand	Use the W command to set the auto zero ON/OFF.     With the R command, turn ON/OFF of the set auto zero into '0', '1'.     Returns the end of the response frame.	Auto zero ON/OFF setting Receive data size End of response frame
	Communication command: Demand zero ON/OFF	Perform communication command processing for demand zero ON/OFF	received data Receive data size	Set ON/OFF of demand zero with W command.     Convert ON/OFF of set demand zero to '0', '1' with R command.	ON/OFF setting of demand zero Receive data size
	Communication command: Automatic start ON/OFF after successful	Perform communication command processing for automatic start ON/OFF after successful	Subcommand received data Receive data size	Returns the end of the response frame.     Set ON/OFF of saturomatic start after successful BUMP/CAL with W command.     Convert ON/OFF of set automatic start after successful BUMP/CAL to '0', '1' with R	End of response frame  ON/OFF setting of automatic start after successful BUMP/CAL
req[7-1-1-72]	BUMP/CAL	BUMP/CAL	Subcommand	command. 3. Returns the end of the response frame.	Receive data size End of response frame
req[7-1-1-73]	Communication command: Pump stop screen display ON/OFF	Perform communication command processing for pump stop screen display ON/OFF	received data Receive data size Subcommand	Set ON/OFF of pump stop screen display with W command.     Convert ON/OFF of set pump stop screen display to '0', '1' with R command.     Returns the end of the response frame.	Pump stop screen display ON/OFF setting Receive data size End of response frame
req[7-1-1-74]	Communication command: Alarm silence ON/OFF	Perform communication command processing for alarm silence ON/OFF	received data Receive data size Subcommand	Set ON/OFF of alarm silence with W command.     Convert ON/OFF of set alarm silence to '0', '1' with R command.     Returns the end of the response frame.	Alarm silence ON/OFF setting Receive data size End of response frame
	Communication command: User password setting	Perform communication command processing for USER password setting	received data Receive data size Subcommand	Use the W command to set the USER password.     Read the set USER password with the R command.     Returns the end of the response frame.	USER password Receive data size End of response frame
req[7-1-1-76]	Communication command: Maintenance password setting	Perform communication command processing for maintenance password setting	received data Receive data size Subcommand	Set MAINTE password with W command.     Read the set MAINTE password with the R command.     Returns the end of the response frame.	USER password Receive data size End of response frame
	Communication command: Password protection ON/OFF	Perform communication command processing for password protection ON/OFF setting	Subcommand received data Receive data size Subcommand	Set password protection ON/OFF with W command.     Use the R command to convert the ON/OFF of the set password protection to '0', '1'.	ON/OFF setting of password protection Receive data size
req[7-1-1-78]	Communication command: Interval trend cycle	Perform communication command processing for interval trend cycle	received data Receive data size	Returns the end of the response frame.     Set the interval trend cycle with the W command.     Read the set interval trend cycle with the R command.	End of response frame Interval trend cycle Receive data size
req[7-1-1-79]	Communication command: Overwrite ON/OFF	Perform communication command processing for overwrite ON/OFF setting	Subcommand received data Receive data size	Returns the end of the response frame.     Set overwrite ON/OFF with W command.     By using the R command, ON/OFF of the set overwrite is converted to '0', '1'.	End of response frame  Overwrite ON / OF setting  Receive data size
	Communication command:	Perform communication command processing	Subcommand received data	Returns the end of the response frame.     Record the current date and time with W command.	End of response frame Receive data size
	Time  Communication command:	Perform communication command processing	Receive data size Subcommand received data	Use the R command to get the current date and time.     Returns the end of the response frame.      With the R command, character data corresponding to the main program number is	End of response frame  Receive data size
req[7-1-1-81]	Main program number	for main program number	Receive data size Subcommand	created.  2. Returns the end of the response frame.	End of response frame
req[7-1-1-82]	Communication command: Subprogram number	Perform communication command processing for subprogram number	received data Receive data size Subcommand	With the R command, character data corresponding to the sub program number is created.     Returns the end of the response frame.	Receive data size End of response frame
	Communication command: Get gas table version number	Perform communication command processing for get gas table version number	received data Receive data size Subcommand	With the R command, character data corresponding to the gas table version number is created.     Returns the end of the response frame.	Receive data size End of response frame
	Communication command: Main program SUM value	Perform communication command processing for main program SUM value	received data Receive data size Subcommand	With the R command, character data corresponding to the SUM value of the main program is created.     Returns the end of the response frame.	Receive data size End of response frame
	Communication command: Main program version number	Perform communication command processing on main program version number	received data Receive data size	With the R command, character data corresponding to the main program version number is created.	Receive data size End of response frame
	Communication command: Gas table SUM value	Perform communication command processing on Gas table SUM value	Subcommand received data Receive data size	Returns the end of the response frame.     With the R command, character data corresponding to the Gas table SUM value is created.	Receive data size End of response frame
	Communication command: Default processing	Perform communication command processing for default processing	Subcommand received data Receive data size	Returns the end of the response frame.     With the W command, FRAM default.     In the C command, if FRAM default end confirmation processing is OFF,	Receive data size End of response frame
req[7-1-1-87]			Subcommand	put ACK in the buffer.  3. When FRAM default end confirmation processing is ON, put SUB in the buffer.  4. Returns the end of the response frame.	
req[7-1-1-88]	Communication command: Data update processing for FRAM setting	Perform communication command processing for data update processing for FRAM setting	received data Receive data size Subcommand	With the W command, turn on the FRAM write start flag.     Returns the end of the response frame.	Receive data size End of response frame
(	Communication command: FRAM memory dump processing	Perform communication command processing for FRAM memory dump processing	received data Receive data size Subcommand	Using the R command, obtain the result of LOAD processing for FRAM data communication dump.     When the result is OK, the HEX data for dump is converted to ASCII data.     Returns the end of the response frame.	Receive data size End of response frame
F	Communication command: FLASH memory dump processing	Perform communication command processing for FLASH memory dump processing	received data Receive data size	Convert ASCII data to HEX) data with R command.     When the data size is smaller than 256, execute the following processing 3 to 4.	Receive data size End of response frame
	Communication command:	Perform communication command processing	Subcommand received data	3. Read specified byte to FLASH. 4. Binary processing in progress flag set. 5. Returns the end of the response frame. 1. Deploy test data of logger function with W command.	Receive data size
F	Data logger check data write processing Communication command:	for data logger check data writing processing  Perform communication command processing	Receive data size Subcommand received data	Returns the end of the response frame.     Clear the logger function data logger with W command.	End of response frame  Receive data size
req[7-1-1-92]	Communication command:  Data logger data clear processing	Perform communication command processing for data logger data clear processing	Received data Size Subcommand	<ol> <li>In the C command, if the data logger clear end confirmation processing of the logger function is OFF, put ACK in the buffer.</li> <li>When data logger clear end confirmation processing of logger function is ON, put SUB in the buffer.</li> </ol>	End of response frame
1	Communication command: Data logger power event clear processing	Perform communication command processing for data logger power event clear processing	received data Receive data size Subcommand	Returns the end of the response frame.     I. With the W. command, clies the power logger of the logger function     In the C command, if the logger clear end confirmation processing of the logger function is OFF, put ACK in the buffer     Power supply of logger function When log clear clear end processing is ON, put SUB in the buffer.	Receive data size End of response frame
	Communication command:	Perform communication command processing	received data Receive data size	Returns the end of the response frame.     Execute the following processing 2 to 6 with the W command.	Accumulation area
req[7-1-1-94]	Data logger start stop processing	for data logger start stop processing	Receive data size Subcommand	2. Update the PEAK value to the current value. 3. Initialize accumulated area, average value. 4. Initialize STEL value and TWA value. 5. Turnoff the resume flag. 6. Start togger measurement.	Average value STEL value TWA value Receive data size End of response frame
	Communication command: Factory setting save reset processing	Performs communication command processing for factory setting save reset processing	received data Receive data size Subcommand	7. Returns the end of the response frame.  1. Use the W command to record factory settings and reset alarm points.  2. Use the R command to read the factory default settings and reset alarm points.  3. Returns the end of the response frame.	Receive data size End of response frame
req[7-1-1-96]	Communication command: Saving and restoring processing of	Perform communication command processing for Saving and restoring processing of alarm point for recentling	received data Receive data size	Record alarm point for reset with W command.     Read alarm point for reset by R command.	Receive data size End of response frame
C	alarm point for resetting  Communication command:  Lunch break save reset processing	for resetting  Perform communication command processing for lunch break save reset processing	Subcommand received data Receive data size	Returns the end of the response frame.     Record lunch break with W command.     With the R command, read the launch break and write the launch break data to	Receive data size End of response frame
1eq[/-1-1-9/]			Subcommand	the processing buffer.  3. Returns the end of the response frame.	
req[7-1-1-98] F	Communication command: Power OFF processing	Perform communication command processing for power OFF processing	received data Receive data size Subcommand	With the W command, turn on the power OFF flag.     Returns the end of the response frame.	Receive data size End of response frame
E	Communication command: BUMP execution (concentration specification)	Perform communication command processing for BUMP execution	received data Receive data size Subcommand Fault status	1. Perform the following processing 2 to 8 with the W command. 2. Get serial number. 3. Acquire tolerance rate. 4. Acquisition of concentration. 5. BUMP success result. 6. Concentration value at BUMP. 7. Get current date and time. 8. Restore backup.	Tolerance rate Concentration value BUMP success result Concentration value at BUMP Receive data size End of response frame

	Communication command: Fast bump record	Perform communication command processing for fast bump recording	received data Receive data size	Perform the following processing 2 to 8 with the W command.     Acquire the SDM serial number.	Calibration concentration value Result concentration value
	Table bump record	To locating recording	Subcommand	Acquire the calibration concentration.     Acquire result concentration.	Fast bump success / fault result Executability flag
				S. Acquire success / fault result of fast bump.     Substitute concentration values for fast bumps.	Bump test concentration value Bump result concentration value
				<ol><li>When fast bump is being performed, turn on execution feasibility flag.</li></ol>	Receive data size
req[7-1-1-100]				If the fast bump is successful, put a bump record in FRAM.     Put the current time in bump date and time.	End of response frame
				Acquire the bump test concentration.     Acquire bump result concentration.	
				Acquire the SDM serial to be used for the bump.     Record BUMP of logger function.	
				<ol> <li>Send date to SDM.</li> <li>Get the current date and time.</li> </ol>	
	Communication command:	Perform communication command processing	received data	Returns the end of the response frame.     With the W command, set the EX command flag of the command for SDM and receive.	Receive data size
req[7-1-1-101]	SDM display processing	for SDM display processing	Receive data size Subcommand	the EX command data for SDM.  2. Returns the end of the response frame.	End of response frame
	Communication command: FW rewrite start processing (main)	Perform communication command processing for FW rewrite start processing (main)	received data Receive data size	Execute the following processes 2 with the W command.     Update mode flag set processing.	Receive data size End of response frame
req[7-1-1-102]	T TO TOWN CO Start processing (man)	to 111 to the start processing (main)	Subcommand	Returns the end of the response frame.	End of response name
	Communication command: FW rewrite start processing (sub)	Perform communication command processing for FW rewrite start processing (sub)	received data Receive data size	W command starts FW rewriting of the sensor MCU.	Receive data size End of response frame
req[7-1-1-103]		3,000	Subcommand	Returns the end of the response frame.	
req[7-1-1-104]	Communication command: SensorMCU FW rewritable status	Perform communication command processing for sensorMCU FW rewritable status acquisition	received data Receive data size	Execute the following processes 2 and 3 with the S command.     Sensor MCU FW update mode acquisition processing.	Receive data size End of response frame
req[/-1-1-104]	acquisition		Subcommand	Sensor MCU FW update start process.     Returns the end of the response frame.	
	Communication command: SensorMCU FW rewrite processing	Perform communication command processing for SensorMCU FW rewrite processing	received data Receive data size	With the S command, after erase block, create a response.     With the W command, after rewrite block and calculate SUM value, create a response.	Receive data size End of response frame
req[7-1-1-105]			Subcommand	With the E command, after comparison sum value, create a response.     Returns the end of the response frame.	
	Communication command: FW	Perform communication command processing	received data	With the R command, character data corresponding to the FW rewrite mode is created.	FW rewrite operation mode
req[7-1-1-106]	rewrite operation mode	for FW rewrite operation mode	Receive data size Subcommand	Returns the end of the response frame.	Receive data size End of response frame
	Communication command: FW	Perform communication command processing	received data	Execute the following processes 2 and 3 with the S command.	Receive data size
req[7-1-1-107]	rewrite start processing (main)	for FW rewrite start processing (main)	Receive data size Subcommand	ON processing of the power OFF flag and update flag.     FirmUpdate flag set processing.	End of response frame
				Returns the end of the response frame.	
rea[7-1-1-108]	Communication command: pump drive/stop processing	Perform communication command processing for pump drive/stop processing	received data Receive data size	With the W command, after setting the pump Lo/Hi, pump drive ON/OFF, create a response.	Pump Lo/Hi status Pump drive ON/OFF status
.eq[,-1-1-108]			Subcommand	<ol><li>With the R command, after reading status of the pump Lo/Hi, pump drive ON/OFF, create a response.</li></ol>	Receive data size End of response frame
	Communication command: pressure sensor adjustment value setting	Perform communication command processing for pressure sensor adjustment value setting	received data Receive data size	With the W command, after setting the pressure sensor offset value, create a response.     With the R command, after reading the pressure sensor offset value, create a response.	Pressure sensor offset value Receive data size
req[7-1-1-109]	processing	processing	Subcommand	With the R command, after reading the pressure sensor offset value, create a response.     Returns the end of the response frame.	End of response frame
	Communication command: Flow	Perform communication command processing	received data	With the W command, after setting the flow reduction threshold, create a response.	Flow reduction threshold
req[7-1-1-110]	reduction threshold setting process	for flow reduction threshold setting process	Receive data size Subcommand	With the R command, after reading the flow reduction threshold, create a response.     Returns the end of the response frame.	Receive data size End of response frame
	Communication some contract	Perform communication command processing	received data		Receive data size
soal7 4 4 444°	Communication command: Concentration + status	Perform communication command processing for concentration + status	Receive data size	Execute the following processes 2 to 4 with the R command.     Obtain battery voltage icon.     Obtain battery voltage icon.	Receive data size End of response frame
req[7-1-1-111]			Subcommand	Obtaining battery voltage status.     Create character data corresponding to battery voltage.     Dataset of the second of	
<b>—</b>	Communication command:	Perform communication command processing	received data	Returns the end of the response frame.     With the R command, character data corresponding to the concentration is created.	Receive data size
req[7-1-1-112]	Concentration	on concentration	Receive data size Subcommand	Returns the end of the response frame.	End of response frame
164[7-1-1-112]			Gas setting Fault status		
	Communication command:	Perform communication command processing	Minus flag received data	Execute the following processes 2 to 5 with the R command.	Receive data size
	Peak concentration	for peak concentration	Receive data size Subcommand	In the case of O2, the minimum value is placed in the peak concentration value and the minus flag of the minimum value is placed in the peak flag.	End of response frame
req[7-1-1-113]			minimum value Maximum value	For cases other than O2, put the maximum value in the peak concentration value and put the minus flag of the maximum value in the peak flag.	
			Minus flag Gas setting	In case of sensor abnormality, create a character string corresponding to sensor abnormality.	
			Fault status	<ol><li>Returns the end of the response frame.</li></ol>	
req[7-1-1-114]	Communication command: A/D value	Perform communication command processing for the A/D value	received data Receive data size	Read the A/D values of the battery and all sensors with the R command.     Returns the end of the response frame.	Battery A/D value A/D value of all sensors
			Subcommand		Receive data size End of response frame
req[7-1-1-115]	Communication command: Device connection check	Perform communication command processing for device connection check	received data Receive data size	Use the R command to check the connection status of the device.     Returns the end of the response frame.	Receive data size End of response frame
	Communication command:	Perform communication command processing	Subcommand received data	W command stops warning if '0' is in buffer.	Receive data size
	Alarm test	for alarm test	Receive data size Subcommand	2. If the buzzer flag is greater than 2, set alarm 1 H alarm and issue an alarm.  3. With the R command, put the result of alarm test ON / OFF setting confirmation	End of response frame
req[7-1-1-116]			Subcommand	processing of SDM or manufacturing facility into the buzzer flag.  4. Change numeric value to character data.	
				<ol><li>Returns the end of the response frame.</li></ol>	
rea[7-1-1-117]	Communication command: Alarm check (for SDM)	Perform communication command processing for alarm check	received data Receive data size	<ol> <li>With the S command, after setting the alarm lamp, buzzer, vibration motor ON/OFF, create a response.</li> </ol>	Receive data size End of response frame
			Subcommand	Set the alarm test ON/OFF of SDM or manufacturing equipment with E command.     Returns the end of the response frame.	
req[7-1-1-118]	Communication command: Obtain key operation status	Perform communication command processing for obtaining operation status	received data Receive data size	In the loading process, buffer the flags of the MODE and AIR keys.     Returns the end of the response frame.	Receive data size End of response frame
ļ	Communication command: LED light	Perform communication command processing	Subcommand received data	With the S command, after setting the light ON, create a response.	Receive data size
req[7-1-1-119]	check	for LED light check	Receive data size Subcommand	With the E command, after setting the light OFF, create a response.     Returns the end of the response frame.	End of response frame
	Main processing after receiving SCI5	Perform main processing after receiving SCI5	Reception completion flag	Perform 2 and 3 when the reception completion flag is ON.	None
req[7-1-1-120]	command	command		Perform command processing.     Send the send data.	
req[7-1-2-1]	Create UPDATA display	Perform display creation processing at UPDATA	None	Clear LCD display data.     Display it as UP DATA.	None
req[7-1-2-2] req[7-1-2-3]	FirmUpdate flag set FirmUpdate mode flag set	Perform FirmUpdate flag set processing Perform FirmUpdate mode flag set processing	None None	Turnon the FirmUpdate flag.     Set the FirmUpdate mode flag to ON.	FirmUpdate flag FirmUpdate mode flag
req[7-1-2-3] req[7-1-2-4]	FirmUpdate mode flag acquisition	Perform FirmUpdate mode flag acquisition processing	None	Return the FirmUpdate mode flag	FirmUpdate mode flag
1_	LED processing for FW rewrite display	Perform LED processing for FW rewriting display	LED count LED Mode	Set the LED process under the following conditions 2 to 5.     Update standby time.	LED count Output latch
req[7-1-2-5]				Updating.     Upon successful completion of update.	
see[7 4 0	FW rewrite LED error blink	Perform FW rewriting LED error blinking processing	None	On update error.      Once LED turns off, error blinking is carried out.	LED Mode
req[7-1-2-6]	Key check processing	Perform key check processing	Power OFF count	LED error Start flashing.      If the state of the sample key is 1, turn on the power.	Update status
req[7-1-2-7]	, whom processing		or r coult	If the status of the sample key is 1, turn on the power.     If the status of the sample key is 0, turn off the power.     If you press and hold for a long time, perform the following processing 4 to 5.	
req[r-1-2-/]				4. Turnoff LED.	
<b>—</b>	FW rewrite processing in progress	Interrupt processing is performed for 1 ms during FW	None	Set update status to idle state.     Allow interrupts.	None
req[7-1-2-8]	1 msec interrupt	rewrite processing		Call 1 msec timer interrupt processing.     When the 10 msec count is 0, set the 10 msec count to 10 and key check processing.	
				Call timer processing.	
req[7-1-2-9]	AccessWindow setting	Perform the Accesswindow setting	None	Set access window.     Confirm the end of the access window setting.	Start address End address
	FW rewrite processing	Perform FW rewrite processing	None	1. Reset the watchdog timer. 2. Initialize FW rewrite RAM.	Output port Update status
ĺ				Maintain power on.	LED Mode
				Disable interrupt.     Relocate variable vector table to RAM.     Set interrupt handling for SCL5.	
			1	Set interrupt handling for SCI 5.     Enable CMI 1 interrupt in ICU.	
req[7-1-2-10]				Start CMI1 count.     Resetting the variable vector table address.	
req[7-1-2-10]				Resetting the variable vector table address.     Ilo. Allow interrupts.     TI. Deploy FTI processing code to RAM.	
req[7-1-2-10]				Resetting the variable vector table address.     10. Allow interrupts.     11. Deploy FTI processing code to RAM.     12. Set FRDYI callback function and interrupt priority level.     13. Start communication.	
req[7-1-2-10]				9. Resetting the variable vector table address. 10. Allow interrupts. 11. Deploy FTI processing code to RAM. 12. Set FRYI callback function and interrupt priority level. 13. Start communication. 14. Perform main loop processing. 15. Perform LED processing.	
	FW rewrite processing in progress 10 msec interrupt	Interrupt processing is performed for 10 ms during FW rewrite processing	None	9. Resetting the variable vector table address.  10. Allow interrupts.  11. Deploy FTI processing code to RAM.  12. Set FROYI callback function and interrupt priority level.  13. Start communication.  14. Perform main loop processing.  15. Perform LED processing.  1. Call lavy check processing.	None
req[7-1-2-11]	10 msec interrupt	FW rewrite processing		9. Resetting the variable vector table address.  10. Allow interrupts.  11. Deploy FTI processing code to RAM.  12. Set FROY! caliback function and interrupt priority level.  13. Start communication.  14. Perform main loop processing.  15. Perform LED processing.  1. Call lavy check processing.  2. Call timer processing.	
req[7-1-2-11]	10 msec interrupt FLASH open	FW rewrite processing  Perform FLASH open	None	9. Resetting the variable vector table address.  10. Allow interrupts.  11. Deploy FTI processing code to RAM.  12. Set FROY! callback function and interrupt priority level.  13. Start communication.  14. Perform main loop processing.  15. Perform LED processing.  2. Call timer processing.  1. Call key check processing.  1. Substitute the FLASH open result.  2. Return the result flass.	Result flag
req[7-1-2-11]	10 msec interrupt  FLASH open  FLASH close	FW rewrite processing Perform FLASH open Perform FLASH close	None None	9. Resetting the variable vector table address.  10. Allow interrupts.  11. Deploy FTI processing code to RAM.  12. Set RFOVI callback function and interrupt priority level.  13. Start communication.  14. Perform main loop processing.  15. Perform LED processing.  1. Call lavy check processing.  2. Call timer processing.  1. Substitute the FLASH open result.  2. Return the result flaos.  1. Assign the FLASH cope result.  2. Return the result flaos.	Result flag Result flag
req[7-1-2-11] req[7-1-2-12] req[7-1-2-13]	10 msec interrupt FLASH open	FW rewrite processing  Perform FLASH open	None	9. Resetting the variable vector table address.  11. Deploy FTI processing code to RAM.  12. Set RFOVI calback function and interrupt priority level.  13. Perloy FTI processing.  14. Perform main loop processing.  15. Perform LED processing.  16. Call tay check processing.  17. Call tay check processing.  18. Call tay check processing.  19. Call tay check processing.  19. Call tay check processing.  19. Call tay check processing.  20. Call tay check processing.  20. Call tay check processing.  21. Call tay check processing.  22. Call tay check processing.  23. Return the result flaos.  24. Return the result flaos.  25. Return the result flaos.  26. Return the result flaos.	Result flag
req[7-1-2-11]	10 msec interrupt  FLASH open  FLASH close	FW rewrite processing Perform FLASH open Perform FLASH close	None None Starting block number	9. Resetting the variable vector table address. 10. Allow interrupts. 11. Deploy FTI processing code to RAM. 12. Set RFOVI callback function and interrupt priority level. 13. Start communication. 13. Start communication. 15. Perform LED processing. 15. Call two processing. 15. Call two processing. 16. Call two processing. 17. Call two processing. 18. Call two processing. 19. Call two processing. 10. Call two processin	Result flag Result flag
req[7-1-2-11] req[7-1-2-12] req[7-1-2-13]	10 msec interrupt  FLASH open  FLASH close	FW rewrite processing Perform FLASH open Perform FLASH close	None None Starting block number	9. Resetting the variable vector table address.  10. Allow interrupts.  11. Deploy FTI processing code to RAM.  12. Set RFOVI cabback function and interrupt priority level.  13. Start communication.  13. Start communication.  15. Start communication.  15. The start communication of the start communication of the start communication.  16. Call layer check processing.  16. Call layer check processing.  17. Call layer check processing.  18. Call timer processing.  18. Substitute the FLASH open result.  28. Return the result flags.  29. Return the result flags.  29. If the number of blocks is less than the block upper limit, perform the following start call processing.  20. Call flags block erase and get the result.  29. Call FLASH obsceress and get the result.  29. Call FLASH block erase and get the result.	Result flag Result flag
req[7-1-2-11] req[7-1-2-12] req[7-1-2-13]	10 msec interrupt  FLASH open  FLASH close  FLASH erase block	FW rewrite processing Perform FLASH open Perform FLASH close Perform FLASH erase block	None None Starting block number Number of blocks	9. Resetting the variable vector table address.  11. Deploy FTI processing code to RAM.  12. Set RFOVI cabback function and interrupt priority level.  13. Start communication.  13. Start communication.  15. Perform LED processing.  15. Perform LED processing.  16. When the processing.  17. Call key check processing.  17. Call key check processing.  18. Substitute the FLASH open result.  19. Return the result flags.  19. Assign the FLASH color result.  19. Initialize the result flags.  20. If the number of blocks is less than the block upper limit, perform the following processing.  3. Do a FLASH block erase and get the result.  4. WIT metant while FLASH starts is BILISY.	Result flag Result flag Result flag

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req[7-1-2-16]	Get startup area FLASH check blank	Perform get startup area  Perform FLASH check blank	None FLASH block address	Return the result flacs.     If the check size is 0, assign an error to the result flag.	Result flag  Result flag
req[7-1-2-17]	orr orrow brain		Check size	<ol> <li>If the check size is u, assign an error to the result flag.</li> <li>In cases other than process 1, if the FLASH blank check succeeds, assign normal to the result flag.</li> <li>WDT restarts while FLASH status is BUSY.</li> </ol>	
	FLASH write page	Perform FLASH write page	Write buffer	Return result flags.     If the write buffer is NULL or the write size is 0, assign abnormal to the result flags.	Result flag
req[7-1-2-18]			Write address Write size	For other than process 1, if FLASH is blank, write to FLASH and get the result.     Return result flags.	
req[7-1-2-19]	FLASH read page	Perform FLASH read page	Read buffer Read address Read size	If the read buffer is NULL or the read size is 0, assign an error to the result flag.     In cases other than process 1, copy the data to the read buffer and assign normal to the result flag.     Return result flags.	Result flag
req[7-1-2-20]	Erase with address size	Perform erase with address size	Erase address Erase size	Get the erase start block number.     Get the erase end block number.     Do a block erase and get the result.     Return result flaos.	Result flag
req[7-1-2-21]	Setting FLASH information	Perform setting FLASH information	FLASH setting information	Henum result hands.     If the FLASH mode is NORMAL, UPDATE, or RESTART, get the FLASH mode and substitute the result.     Return the result flags.	Result flag
req[7-1-2-22]	Get FLASH information	Perform get FLASH information	FLASH setting information	Initialize the result flags.     Get FLASH information.     Return result flag.	Result flag
req[7-1-2-23]	Flash access end	Perform flash access end	Event type	S. Neturn Instancia,  1. Initialize the result flags.  2. Resume interrupt processing.  3. Return result flag.	Result flag
req[7-1-2-24] req[7-1-2-25]	Suspend interrupt processing Resume interrupt processing	Perform suspend interrupt processing Perform resume interrupt processing	None None	Disable interrupts.     Allow interrupts.	None None
req[7-1-2-26]	Wait for FLASH write page status acquisition		None	WDT restarts while the result of acquiring the FLASH status is BUSY.	None
req[7-1-2-27]	Compare variables in U_CHR address	Perform compare variables in U_CHR address	Pointer address of comparison destination Pointer address of comparison source Comparison size	Compare two variables.     When the comparison result matches, the comparison result is made coincident.     Count up two variables.	Comparison result
req[7-1-2-28]	Copy variables in address of U_CHR	Perform copy variables in address of U_CHR	Matrix address Characters (numbers) Number of characters (maximum 8 digits)	Return comparison result.     Place the source variable in the destination variable.     Count up two variables.	None
req[7-1-2-29]	Convert HEX(Byte) data to ASCII data	Perform convert HEX(Byte) data to ASCII data	Decimal point ASCII data as HEX (Byte) data The number of data	Corvert HEX data 'A' to 'F' to ASCII data.     Count the converted number.	Convertion value
rea[7-1-2-30]	Convert ASCII data to HEX (Byte)	Perform convert ASCII data to HEX (Byte) data	ASCII data as HEX (Byte) data	Return ASCII data.      If the size of the ASCII data is 2, convert it to 2 bytes of HEX data.	None
req[7-1-2-30]	data SUM calculation of transmitted data	Perform SUM calculation of transmitted data	The number of data Receive buffer	If the size of the ASCII data is 4, convert it to 4-byte HEX data.     Calculate the SUM value by adding data equal to the number of counters to the data in the receive buffer.	SUM value
req[/-1-2-31]	Received data SUM check	Perform received data SUM check	Received data counter  Receive buffer	the receive buffer.  2. Return the SUM value.  1. Add the data from the start data STX to the end data ETX of the receive buffer.	Result flag
req[7-1-2-32]				Get the received SUM value.     Compare the calculated SUM value with the received SUM value to get the result.	
req[7-1-2-33]	Receive data command processing	Perform receive data command processing	Receive buffer Transmit buffer Terminator save buffer	Return result flag.     Copy the command part of the receive buffer to the transmit buffer.     Calculate the SUM value and if it is normal, execute command processing.     If the command processing result is an error, assign NAK to the send buffer.	Command processing result
	Termination of response frames	Perform termination of response frames	Receive buffer Transmit buffer	Return command processing result.     Assign the end data to the transmit buffer.     Calculate the SUM value and assign it to the transmit buffer.	Transmission data size
req[7-1-2-34]			Transmit buffer Terminator save buffer	Calculate the SUM value and assign it to the transmit buffer.     Assign a terminator to the transmit buffer.     Return the transmission data size.	
req[7-1-2-35]	Device connection confirmation command	Perform device connection confirmation command	Receive buffer Transmit buffer	For the R command, get the device name. Assign the result to the send buffer.     Send the transmit buffer.	Receive data size End of response frame
req[7-1-2-36]	FW update command	Perform FW update command	Terminator save buffer Receive buffer Transmit buffer	For the W command, get the mode type. Assign the result to the send buffer.     Send the transmit buffer.	Receive data size End of response frame
	Action mode command	Perform action mode command	Terminator save buffer Receive buffer	For the R command, get the operating mode. Assign the result to the send buffer.	Receive data size
req[7-1-2-37]	Startup area switching command	Perform startup area switching command	Transmit buffer Terminator save buffer Receive buffer	Send the transmit buffer.      For the W command, get the switching result of the startup area. Assign the result to the	End of response frame  Receive data size
req[7-1-2-38]	3		Transmit buffer Terminator save buffer	send buffer. 2. Send the transmit buffer.	End of response frame
req[7-1-2-39]	Restart command	Perform restart command	Receive buffer Transmit buffer	For S command, execute the mode switching process and get the result. Assign the result to the send buffer.	Receive data size End of response frame
req[7-1-2-40]	FW update preparation command	Perform FW update preparation command	Terminator save buffer Receive buffer Transmit buffer	Send the transmit buffer.     For the S command, assign ACK to the send buffer.     Send the transmit buffer.	Receive data size End of response frame
-	Data transfer command	Perform data transfer command	Terminator save buffer Receive buffer	For the S command, get the rewrite start address, data size, and SUM value, start	Receive data size
req[7-1-2-41]			Transmit buffer Terminator save buffer	FLASH erase processing, and get the result. Assign the result to the send buffer.  2. For the W command, get the write address, do a FLASH write and get the result. Assign the result to the send buffer.  3. In the case of the E command, perform end processing and obtain the result. Assign the result to the send buffer.  4. Send the transmit buffer.	End of response frame
req[7-1-2-42]	Main loop start preprocessing	Perform main loop start preprocessing	None	Start serial communication.     Perform main loop processing.	None
req[7-1-2-43]	Mode switching	Perform mode switching	Mode request flag	Get the mode switching result.     Return the mode switching result.	Mode switching result
req[7-1-2-44]	FW update pre-start processing	Perform FW update pre-start processing	Rewriting start address Data size SUM value buffer	I. If the data size is greater than 0 and the data size is divisible by the rewriting size, perform the following processing.     Perform WDT restart.     S. Erase FLASH and get the result.     Perform WDT restart.     I sease FLASH successful, update the rewrite start address, data size, SUM value buffer,	Result flag
req[7-1-2-45]	FW rewrite	Perform FW rewrite	Rewriting start address FW data	and rewrite data size.  6. Return result flag.  1. Rewrite the FLASH memory and get the result.  2. If rewriting is successful, add the write data size.	Result flag
	FW rewrite finished	Perform FW rewrite finished	Receive data size Write data size	Return the result.     If the receive data size is less than the write data size, perform 3 and 4.     Initialize the result flags.	Result flag
req[7-1-2-46]			Received SUM value	Calculate the SUM value of the rewritten FW.     A. Assign the result of comparing the received SUM value and the calculated SUM value to the result flag.     Return result flag.	
req[7-1-2-47]	LED control	Perform LED control	LED mode flag	If the LED mode flag is IDLE, set LED1=ON, LED2=OFF, LED3=OFF.  If the LED mode flag is ERASE, set LED1=OFF, LED2=OFF, LED3=ON.  If the LED mode flag is WRITE, set LED1=OFF, LED2=LED ON/OFF flag, and	None
req[7-1-2-48] req[7-1-2-49]	LED mode set Reset flag setting	Perform LED mode set Perform reset flag setting	Mode request flag Reset request flag	Assign the mode request flag to the LED mode flag.     Assign the reset request flag to the reset flag.	LED mode flag Reset flag
req[7-1-2-50]	10msec callback	Perform 10msec callback	LED toggle counter	Perform the following processing when the LED toggle counter is non-zero.     Decrement the LED toggle counter.     If the LED toggle counter is 0, toggle the LED ON/OFF flag and set the toggle time (100ms) in the LED toggle counter.	LED ONOFF flag LED toggle counter
req[7-1-2-51]	FW update main loop	Perform FW update main loop	Reset flag	1. If the reset flag is non-zero, perform FW update reset processing. 2. Perform WDT restart. 3. Perform PC communication processing.	None
req[7-1-2-52]	FW update reset process	Perform FW update reset process	Reset flag	Netrom FC commitment processing.     Herform LED operation processing.     If the reset flag is waiting for transmission completion, check the transmission status of serial communication, and if transmission is completed, set the reset flag to transmission.	None
req[7-1-2-52]	FW update end processing	Perform FW update end processing	None	completion.  1. Stop serial communication.  2. Turn off the power retention port.	None
req[7-1-2-54]	Port operation for power retention	Perform port operation for power retention	ON/OFF request flag	Restart WDT.     When the ON/OFF request flag is ON, the power retention port is turned ON, and when it	None
req[7-1-2-55]	LED port setting processing	Perform LED port setting processing	LED type ON/OFF request flag	is OFF, the power retention port is turned OFF.  I. If the LED type is LED1, control the left LED according to the ON/OFF request flag.  When the LED type is LED2, the center LED is controlled according to the ON/OFF request	None
req[7-1-2-56]	Key port acquisition process	Perform key port acquisition process	Key type	flag.  1. If the key type is the POWER key, assign true to the result flag; otherwise, assign false to	Result flag
req[7-1-2-57]	Port setting processing for LCD	Perform port setting processing for LCD	Port type ON/OFF request flag	the result flag.  1. If the ON/OFF request flag is ON, turn on the LCD backlight, and if it is OFF, turn off the LCD backlight.	None
req[7-1-2-58]	Serial communication main processing	Perform serial communication main processing	Reception completion flag	Perform the following processing when the reception completion flag is ON.     Perform command processing.     Perform reply processing.	None
req[7-1-2-59]	Start serial communication	Perform start serial communication	Received data	Start serial communication.     Perform UART5 reception processing.     Start UART5 communication processing.	None
req[7-1-2-60]	UART5 Receive buffer setting processing for receiving the next 1	Perform UART5 Receive buffer setting processing for receiving the next 1 byte	Received data	Perform UART5 reception processing.	None
req[7-1-2-61] req[7-1-2-62]	Serial communication stop Check serial transmission status	Perform serial communication stop Perform check serial transmission status	None None	Perform UART5 stop processing.     Get the serial transmission status.	None Serial transmission status
req[7-1-2-63]	Get binary reception flag Serial receive interrupt processing	Perform get binary reception flag Perform serial receive interrupt processing	None Received data	Return serial transmission status.     Return the binary receive flag.     If the received data counter is 0 and the received data is not STX, perform the following.	Binary receive flag Receive buffer
req[7-1-2-64]	General receive interrupt processing	r enum seisa receve interrupt processing	AND	1. If the received data counter is 0 and the received data is not STX, perform the following processing. 2. Assign the received data to the receive buffer as in circoment the received data counter. 2. Assign the received data counter is greater than or equal to the upper timit, substatus the initial values for the received data counter and the PV rewrite command processing flag. 4. If the PV rewrite command processing flag is false and the 92W command is received, substitute true for the PV rewrite command processing flag is true, if the received data is the end character, and if the received data counter is the default value, substitute the received data into the terminator save buffer and set the receiption completion flag to ON. If the PV rewrite command processing flag is false and the received data is the end character, substitute the received data and the received data is the end character, substitute the received data into the terminator save buffer and set the receiption completion flag to ON.	Receive buffer Received data counter FW rewrite command processing flag Terminator see buffer Reception completion flag

req[7-1-2-65]	Reply processing to PC	Perform reply processing to PC	None	Perform data transmission processing.     Perform data transmission end processing.	None
req[7-1-2-66]	Data transmission end processing	Perform data transmission end processing	None	Assign the initial value to the receive counter.     Assign the initial value to the receive completion flag.     Assign the initial value to the FW rewrite command processing flag.	Receive counter Receive completion flag FW rewrite command processing flag
req[7-1-2-67]	Data transmission process	Perform data transmission process	None	Perform UART5 transmission processing.	None
req[7-1-2-68]	Watchdog timer restart		None	Restart WDT.	None
req[7-1-2-69]	Sensor MCU 10 msec acquisition processing of switching flag	Acquire sensor MCU 10 msec switching flag	None	1. 10 msec Returns the switching flag.	10 msec switching flag
	Sensor MCU FW rewriting 10 msec	Perform sensor MCU FW rewriting 10 msec interrupt	Count timer	When the count timer is not 0, the count timer is counted down.	Count timer
req[7-1-2-70]	interrupt processing	processing		Read the pressed state of the key.     Create an event for ZIPC of key.	
req[7-1-2-71]	Sensor MCU FW rewrite processing	Perform sensor MCU FW rewrite processing	Sensor MCU FW rewrite execution flag Count timer Sensor MCU FW rewrite execution flag Sensor MCU FW rewrite end flag	1. When the sensor MCU FW rewrite execution flag is ON and the FRAM write start flag is OFF. the following processes 2 to 13 are executed. 2. Reset the watchdog timer. 3. Stop SPI of dedicated function. 4. Stop each SCI. 5. Stop IIC of dedicated function. 6. Stop CMIZ interrupt. 7. Reset the watchdog timer. 8. Perform main toop processing. 9. Reset the watchdog timer. 10. When the rewriting program is started, the Reary command for rewriting FW is output. 11. Stop communication.	10 mee switching flag Count timer Power port
req[7-1-2-72]	Sensor MCU FW rewrite start processing		None	Turnon sensor MCU FW rewrite end flag.	Sensor MCU FW rewrite end flag
req[7-1-2-73]	Sensor microcomputer FW rewrite mode flag setting processing	Perform sensor microcomputer FW rewrite mode flag setting processing	-	Assign the request flag to the FW rewrite mode flag.	FW rewrite mode flag
req[7-1-2-74]	Sensor microcomputer FW rewrite mode flag acquisition processing	Perform sensor microcomputer FW rewrite mode flag acquisition processing		Return the FW rewrite mode flag.	FW rewrite mode flag
req[7-1-2-75]	BaudRateSet command	Perform BaudRateSet command transmission processing	None	1. Set delay time acquisition ID. 2. Send BaudRadset command frame. 3. If the result of the reception end wait process is time-out or error, the result is abnormally ended. 4. If there is no abnormality in the reception end wait processing, the result is normally ended. 5. Return results.	Delay time acquisition ID result
	BlockBlankCheck command	Perform BlockBlankCheck command transmission	Start address	Set delay time acquisition ID.	Delay time acquisition ID
req[7-1-2-76]		processing	End address	<ol> <li>Send a BlockBlankCheck command frame.</li> <li>If the result of the reception end wait process is time-out or error, the result is abnormally ended.</li> <li>Return results.</li> </ol>	result
req[7-1-2-77]	BlockErase command	Perform BlockErase command transmission processing	Erase address	<ol> <li>Set delay time acquisition ID.</li> <li>Send a BlockErase command frame.</li> <li>If the result of the reception end wait process is time-out or error, the result is abnormally ended.</li> <li>Return results.</li> </ol>	Delay time acquisition ID result
req[7-1-2-78]	CheckSum command	Perform CheckSum command transmission processing	Block header address SUM value	<ol> <li>Set delay time acquisition ID.</li> <li>Send CheckSum command frame.</li> <li>If the result of the reception end wait process is time-out or error, the result is abnormally ended.</li> <li>Return results.</li> </ol>	Delay time acquisition ID result
	Programming command step.1	Perform programming command (1) command transmission processing	Block header address	Set delay time acquisition ID.     Programming command (1) Send command frame.	Delay time acquisition ID result
req[7-1-2-79]				<ol> <li>If the result of the reception end wait process is time-out or error, the result is abnormally ended.</li> <li>Return results.</li> </ol>	
req[7-1-2-80]	Programming command step.2	Perform programming command (2) command transmission processing	Data size data Last frame	Set felley time acquisition ID.     Programming command (2) Send command frame.  If the result of the reception end wait process is time-out or error, the result is abnormally ended.  Return results.	Delay time acquisition ID result
req[7-1-2-81]	Programming command step.3	Perform programming command (3) command transmission processing	None	<ol> <li>Set delay time acquisition ID.</li> <li>Programming command (3) Send command frame.</li> <li>If the result of the reception end wait process is time-out or error, the result is abnormally ended.</li> <li>Return results.</li> </ol>	Delay time acquisition ID result
req[7-1-2-82]	Reset command	Perform Reset command transmission processing	None	<ol> <li>Set delay time acquisition ID.</li> <li>Send the Reset command frame.</li> <li>If the result of the reception and wait process is time-out or error, the result is abnormally ended.</li> <li>Return results.</li> </ol>	Delay time acquisition ID result
req[7-1-2-83]	Calculating SUM value of 16 bit command	Calculate the SUM value of 16 bit command	amount of data data	Calculate SUM value of 16 bit command.     Returns the SUM value.	SUM value
req[7-1-2-84]	Calculating SUM value of 8 bit command	Calculate the SUM value of 8 bit command	amount of data data	Calculate SUM value of 8 bit command.	SUM value
req[7-1-2-85]	Delete until last block  ACK check	Perform deletion processing until the last block	address	Add the rewritable minimum value to the start block address.     When the start block address is larger than the value obtained by adding 1 to the write end address, the result is set to TRUE.     Return results.	result
		Perform ACK check processing	The number of data	If the receive buffer is ACK, set the result to TRUE.	result

req[7-1-2-87]	Reception request	Return reception request	Receive buffer Reception amount SCI reception flag of RL78	When the SCI reception flag of RL78 is TRUE, the result is set to FALSE.     Set the SCI reception flag of RL78 to TRUE.     Set the number of data received by SCI9 to 0.     Put the reception amount in the received data length of SCI9.	SCI reception flag of RL78 Number of data received by SCI9 Receive data length of SCI9 Receive buffer address of SCI9
				Put the receive buffer in the receive buffer address of SCI9.     Return results.	result
req[7-1-2-88]	Status/frame reception request	Perform status/frame reception request processing	Number of bytes	If the reception request processing has failed, the result is abnormally ended.     Return results.	result
req[7-1-2-89]	Transmission request	Perform transmission request processing	Transmit buffer Transmission amount SCI reception flag of RL78	When the SCI reception flag of RL78 is TRUE, the result is set to FALSE.     Set the SCI reception flag of RL78 to TRUE.     Put the reception amount in the transmission data length of SCI9.     Put the receive buffer in the send buffer address of SCI9.	SCI reception flag of RL78 SCI reception flag of RL78 Transmission data length of SCI9 Transmit buffer address of SCI9
req[7-1-2-90]	Command/frame transmission request	Perform command/frame transmission request processing	command Number of bytes address	Return results.     Set transmission buffer.     Calculate SUM value of 8 bit command.     Reset watchdog timer if transmitting.	Transmit buffer
req[7-1-2-91]	Data frame transmission request	Perform data frame transmission request processing	SCL transmission flag of RL78 Number of bytes address Last frame	I. If the data byte is 0, set the data byte to 256. 2. Set transmission buffer. 3. Calculate SUM value of 8 bit command.	Transmit buffer
	Restart communication driver	Perform restart communication driver	SCL transmission flag of RL78  None	If the last frame is TRUE, put the ASCII_ETX into the send buffer.     S. Reset watchdog timer if transmitting.     I. Stop III Con SCI9 and stop communication driver.     Initialize the setting of SCI9.	Output port
req[7-1-2-92]				Set control register.     Start UART of SCI9 and start communication driver.	
req[7-1-2-93]	Communication method data transmission	Perform data transmission process of communication method	None	Set the TOOL0 pin to LOW.     When the number of UART lines is 128, set the TOOL 0 pin to HIGH.     S. Perform nop processing.     Reset the watchdog timer.	None
req[7-1-2-94]	Update wait time	Perform update processing of wait time	frequency	Set the minimum wait time.     Set the time required for data transmission / reception.     Set the time taken to receive the next command.     Set the time to timeout.	Waiting time
req[7-1-2-95]	Wait processing	Perform wait processing	Waiting time	Perform nop processing.     Reset the watchdog timer.	None
req[7-1-2-96]	Wait for reception end	Perform reception end wait processing	Timeout ID Waiting time Number of bytes received SCI reception flag of RL78	Perform nop processing.     Reset the watchdog timer.     If the SCI reception flag of RL78 is not TRUE, the result is normally ended.     Return results.	None
req[7-1-2-97]	Target power OFF	Sensor unit power OFF	None None	Stop supplying the SCI line.     Suspend the power supply of the sensor unit.	Output port
	Block rewrite	Perform block rewrite processing	Rewrite data Solit data counter	Calculate SUM value of 16 bit command.     Rewrite in the order of 1st frame and 2nd frame.	Split data counter Current block top address
req[7-1-2-98]			Current block top address	Nhen the 1st frame and 2nd frame can be rewritten normally, the last frame is rewritten.     If the rewrite fails in one of the 1st frame, the 2nd frame, and the last frame, set the result to FALSE.     S. Return results.	Rewrite SUM value result
	Setting the start block	Perform setting process of start block	Start block address	When the start block address is larger than the write end address, the result is set to FALSE.	Split data counter Current block top address
req[7-1-2-99]				Put the start block address in the current block top address.     The divided data counter is set to 1.     Return deletion processing until the last block.     Return results.	result
	Start rewrite program	Start processing of rewriting program	None	Set the waiting time to 0. 75.     Turnoff the target.	Delay time acquisition ID
				Configure each port.     Send communication mode data.	
req[7-1-2-100]				Restart communication driver.     Set delay time acquisition ID.	
				7. Set the baud rate. 8. Update standby time. 9. Make the result TRUE. 10. Return results.	
	Power OFF history record	Perform power OFF history record	Measurement type Erase incomplete address flag	Set the time buffer.     When the power is off, the logger is ended.	Concentration data Main unit status
req[8-1-1-1]			Alarm event sector Continuous number of flash write faults	Record the interval trend trailer.     Check the maximum number of alarm event records.	Sensor specifications Parameters
			Calibration history sector Power ON/OFF sectors Calibration history address	Check fault event record maximum number.     Check the maximum number of calibration history records.     Power ON/OFF setting history Check the maximum number of records.	A/D Operation mode Erase incomplete address flag
	Power ON history record	Perform power ON history record	Power ONOFF address  Continuous number of flash write faults	S. Check the setting change record maximum number.      Set the time buffer.	judgment result  Concentration data
req[8-1-1-2]				Set mode elapsed seconds count to 0.     Greate data.     Write to the power ON/OFF setting history area.	Main unit status Sensor specifications
,				5. Cancel the logger error state.	Parameters A/D value
	Default processing of FRAM data	Perform default processing of FRAM data for	FRAM data for data_logger. c	Cancel the logger error state.     Update Ponta of Failure.	
req[8-1-1-3]	Default processing of FRAM data for data_logger.c	Perform default processing of FRAM data for data_logger. c	FRAM data for data_logger. c	Cancel the logger error state.     Update Ponta of Failure.      Set FRAM data for data_logger. c to the default state.	A/D value
	for data_logger.c			5. Cancel the logger error state. 6. Update Ponta of Failure. 1. Set FRAM data for data_logger. c to the default state.  1. Set the function stop state. 1. Sheck the logger pointer status. 2. Confirm logger face information.	A/D value  None
req[8-1-1-3] req[8-1-1-4] req[8-1-1-5]	for data_logger.c  Stopped state set  Power ON/OFF history creation  Power ON/OFF record maximum	data_logger. c Perform setting of the function stop state Create power ON/OFF history Check power supply ON/OFF record maximum	None Created string Power ON/OFF Applicable number	5. Cancel the logger error state. 6. Update Ponta of Failure. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-page record count to 2. I. If the number of record keeping is equal to or less than the number of power	A/D value  None  None
req[8-1-1-3]	for data_logger.c Stopped state set Power ON/OFF history creation  Power ON/OFF record maximum number check	data_logger. c Perform setting of the function stop state Create power ON/OFF history	None Created string Power ON/OFF	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-page record count to 2.	A/D value  None  None  In-page record count
req[8-1-1-3] req[8-1-1-4] req[8-1-1-5]	for data_logger, c Stopped states set Power ON/OFF history creation  Power ON/OFF record maximum number check  Write to power ON/OFF area	data_logger.c  Perform setting of the function stop state  Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Number of power ON/OFF data Number of power ON/OFF data Power ON/OFF data Number of power ON/OFF data Power ON/OFF data	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM data for data_logger. c to the default state. 1. Set TRAM of the state of the state. 1. Set the function stop state. 2. Confirm logger face information. 3. Set the In-spage record court to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting records. 2. Flash erase. 1. If the maximum number of power ONOFF setting and the number of power ONOFF setting data are not equal, write to the power ONOFF setting area.	A/D value  None  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data
req[8-1-1-3] req[8-1-1-4] req[8-1-1-5] req[8-1-1-6]	for data_logger.c Stopped state set Power ON/OFF history creation  Power ON/OFF record maximum number check	data_logger. c Perform setting of the function stop state Create power ON/OFF history Check power supply ON/OFF record maximum number	None Created string Power ON/OFF Applicable number Power ON/OFF Address Applicable number Power ON/OFF Address Write data Number of power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Write data Number of power ON/OFF data	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the In-page percord count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, check the maximum number of power on the confirmation of the confir	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address
req[8-1-1-3] req[8-1-1-4] req[8-1-1-5] req[8-1-1-6] req[8-1-1-7]	for data_logger.c Stopped state set Power ON/OFF history creation Power ON/OFF record maximum number check Write to power ON/OFF area Add to power supply area Logger function power supply log	data_logger.c  Perform setting of the function stop state  Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Perform logger function power supply log clear	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Number of power ON/OFF data Write data Number of power ON/OFF data Number of bytes written Number of bytes written on Number of bytes written on Number of bytes written on Number of power ON/OFF data	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM date for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-page procord count to 2. 1. If the number of neord keeping is equal to or less than the number of power ONIOFF setting data, check the maximum number of power ONIOFF setting facts, or only only only only only only only only	A/D value  None  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data
req[8-1-1-3] req[8-1-1-4] req[8-1-1-5] req[8-1-1-6] req[8-1-1-7]	for data_logger.c  Stopped states set Power ON/OFF history creation  Power ON/OFF record maximum number check  Write to power ON/OFF area  Add to power supply area	data_logger. c  Perform setting of the function stop state  Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Perform logger function power supply log clear end processing  Perform logger function power supply log clear end processing	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Write data Number of power ON/OFF data Write data Number of power ON/OFF data In-page record count In-page record count In-page record count	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-raga percord count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, check the maximum number of power ONOFF setting records. 2. Flash erase. 1. If the number of power ONOFF setting data is not the power ONOFF setting area.  1. If the number of power ONOFF setting data is not the maximum power ONOFF setting number, write the specified byte to FLASH.  1. Return logger power event clear flag. 1. When the logger power event clear flag. 1. When the logger power event clear flag is ON and the power logger has not been	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None
req[8-1-1-3] req[8-1-1-4] req[8-1-1-5] req[8-1-1-6] req[8-1-1-7] req[8-1-1-8]	for data_logger.c  Stopped states est  Power ON/OFF history creation  Power ON/OFF record maximum  number check  Write to power ON/OFF area  Add to power supply area  Logger function power supply log  clear clear and processing  Logger function power supply log  clear clear and processing	data_logger. c Perform setting of the function stop state Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Perform logger function power supply log clear end processing	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Write data Number of power ON/OFF data Write data Number of power ON/OFF data In-page record count Power ON/OFF address None	5. Cancel the logger error state. 6. Update Portat of Failure. 1. Set FRAM data for data_logger. c to the default state. 1. Set TRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-page precord count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting face. 1. If the maximum number of power ONOFF settings and the number of power ONOFF setting data are not equal, write to the power ONOFF setting area.  1. If the number of power ONOFF setting data is not the maximum power ONOFF setting number, write the specified byte to FLASH.  1. Return logger power event clear flag. 1. When the logger power event clear flag is ON and the power logger has not been cleared, turn off the logger power event clear flag. 1. If an error docs not occur while executing the logger, make the result into execution. 2. If an error cocurs during logger execution, update FRAM and end the result as	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag
rea[8-1-1-2] rea[8-1-1-4] rea[8-1-1-6] rea[8-1-1-6] rea[8-1-1-7] rea[8-1-1-8] rea[8-1-1-8]	for data_logger.c  Stopped state set  Power ON/OFF history creation  Power ON/OFF record maximum number check  Write to power ON/OFF area  Add to power supply area  Logger function power supply log clear clear end processing  Logger function power supply log clear processing  Power supply stop processing of logger	data_logger. c Perform setting of the function stop state Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Perform logger function power supply log clear end processing Perform logger function power supply log clear processing	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Number of power ON/OFF data In-page record count Power ON/OFF address None Logger power event clear flag	5. Cancel the logger cost state. 6. Update Portal of Fallure. 1. Set FRAM data for data_logger. c to the default state. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-page proof or control to 2. 1. If the number of neord keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, check the maximum number of power ONOFF setting area.  7. If the number of power ONOFF settings and the number of power ONOFF setting area.  8. If the maximum number of power ONOFF setting area to the power ONOFF setting area.  1. If the number of power ONOFF setting data is not the maximum power ONOFF setting number, write the specified byte to FLASH.  1. Return logger power event clear flag is ON and the power logger has not been cleared, turn of the logger power event clear flag.  1. If an error does not occur while executing the logger, make the result into execution.  2. If an error corcurs during logger execution, update FRAM and end the result as	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag
rea[8-1-1-3] rea[8-1-1-4] rea[8-1-1-6] rea[8-1-1-6] rea[8-1-1-7] rea[8-1-1-9] rea[8-1-1-10] rea[8-1-1-11]	for data_logger.c  Stopped states est Power ON/OFF history creation  Power ON/OFF record maximum number check  Write to power ON/OFF area  Add to power supply area  Logger function power supply log clear picessing Logger function power supply log clear processing Power supply stop processing of logger  Logger power supply supply stop processing of logger  Logger power supply activation processing  Power supply activation processing  Power supply activation processing	data_logger. c Perform string of the function stop state Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Add to power supply area  Perform logger function power supply log clear end processing Perform power supply stop processing of logger  Perform power supply stop processing of logger  Perform logger power supply activation processing  Perform logger power supply activation processing	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Number of power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF data In-page record count Power ON/OFF address None Logger power event clear flag	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM data for data, logger. c to the default state. 1. Set FRAM data for data, logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the In-gage record count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting records. ONOFF setting data, check the maximum number of power ONOFF setting records. 1. If the maximum number of power ONOFF settings and the number of power ONOFF setting data are not equal, write to the power ONOFF setting area. 1. If the number of power ONOFF setting data is not the maximum power ONOFF setting data are not equal, write the specified byte to FLASH.  1. Return logger power event clear flag. 1. When the logger power event clear flag is ON and the power logger has not been cleared, turn of the logger power event clear flag. 1. If an error coact during logger execution, update FRAM and end the result into execution. 2. If an error coacts during logger execution, update FRAM and end the result as completion. 3. Return results.	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag  result
rea[8-1-1-3] rea[8-1-1-4] rea[8-1-1-6] rea[8-1-1-6] rea[8-1-1-7] rea[8-1-1-7] rea[8-1-1-0] rea[8-1-1-10] rea[8-1-1-11]	for data_logger, c  Stopped states set  Power ON/OFF necord maximum number check  Write to power ON/OFF area  Add to power supply area  Logger function power supply log clear clear end processing  Logger function power supply log clear processing  Power supply stop processing of logger  Logger power supply stop processing of Logger power supply log clear processing  Power supply stop processing of Logger power supply log clear processing  Power supply stop processing of Logger power supply activation  processing	data_logger. c Perform softing of the function stop state Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Perform logger function power supply log clear end processing Perform logger function power supply log clear processing Perform power supply stop processing of logger  Perform power supply stop processing of logger	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Power ON/OFF data Number of power ON/OFF data Logger power event clear flag status None None None None	5. Cancel the logger error state. 6. Update Portnat of Failure. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-gape record count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, check the maximum number of power ONOFF setting face. 2. Flash erase. 1. If the maximum number of power ONOFF settings and the number of power ONOFF setting data are not equal, write to the power ONOFF setting area.  1. If the number of power ONOFF setting data is not the maximum power ONOFF setting area.  1. If the number of power one of the control	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag  result  None
rea[8-1-1-3] rea[8-1-1-4] rea[8-1-1-6] rea[8-1-1-6] rea[8-1-1-6] rea[8-1-1-7] rea[8-1-1-10] rea[8-1-1-10] rea[8-1-1-10]	for data_logger.c  Stopped states est Power ON/OFF history creation  Power ON/OFF record maximum number check  Write to power ON/OFF area  Add to power supply area  Logger function power supply log clear clear end processing Logger function power supply log clear clear end processing Power supply stop processing of logger  Logger power supply activation processing Power supply activation processing Power supply activation Processing Power supply activation Processing Power supply fologger function Logger power supply activation processing Power supply state processing	data_logger. c Perform setting of the function stop state Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Add to power supply area  Perform logger function power supply log clear end processing Perform logger function power supply log clear processing Perform power supply stop processing of logger  Perform logger power supply activation processing Perform logger power supply activation processing Power supply of logger function perform logger clear start process	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Number of power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Number of power ON/OFF data Number of power ON/OFF data In-page record count Power ON/OFF address None Logger power event clear flag status None None None None	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM data for data_logger. c to the default state. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-page proord count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, end of the maximum number of power ONOFF setting data are not equal, write to the power ONOFF setting area.  1. If the maximum number of power ONOFF setting and the number of power ONOFF setting data are not equal, write to the power ONOFF setting area.  1. If the number of power ONOFF setting data is not the maximum power ONOFF setting number, write the specified byte to FLASH.  1. Return logger power event clear flag is ON and the power logger has not been cleared, turn off the logger power event clear flag. 1. If an error does not occur while executing the logger, make the result into execution. 2. If an error accours during logger execution, update FRAM and end the result as completion. 3. Return results. 4. Record power ON history. 5. Compare logger power event clear flag ON. 5. Compare logger power event clear flag ON. 6. Compare logger power event clear flag ON. 6. Letter the following addresses 2 to 7 in order. 6. Alam trend address.	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag  result  None  Logger power event clear flag
rea[8-1-1-3] rea[8-1-1-4] rea[8-1-1-6] rea[8-1-1-6] rea[8-1-1-6] rea[8-1-1-7] rea[8-1-1-10] rea[8-1-1-10] rea[8-1-1-10]	for data_logger.c  Stopped states set  Power ON/OFF record maximum number check  Write to power ON/OFF area  Add to power ON/OFF area  Add to power supply area  Logger function power supply log clear clear end processing Logger function power supply log clear clear end processing  Power supply stop processing of logger  Power supply activation processing  Power supply for logger function Logger power supply activation processing  Power supply for logger function Logger comparison processing  Logger comparison processing  Logger comparison processing	data_logger. c Perform softing of the function stop state Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Add to power supply area  Perform logger function power supply log clear end processing Perform logger function power supply log clear processing Perform power supply stop processing of logger  Perform logger power supply activation processing Power supply of logger function perform logger clear start process	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Number of power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Number of power ON/OFF data Number of power ON/OFF data In-page record address None Logger power event clear flag status  None None None None None None None Non	5. Cancel the logger port state. 1. Set FRAM data for data_logger. c to the default state. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-rapa precord count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, the control of the power ONOFF setting data, the control of the power ONOFF setting records. 2. Flash erase. 1. If the number of power ONOFF setting data is not the maximum power ONOFF setting records. 2. If the number of power ONOFF setting data is not the maximum power ONOFF setting area.  1. If the number of power ONOFF setting data is not the maximum power ONOFF setting number, write the spacified byte to FLASH.  1. Return logger power event clear flag. 1. When the logger power event clear flag is ON and the power logger has not been cleared, turn off the logger power event clear flag. 1. If an error does not occur while executing the logger, make the result into execution. 2. If an error cours during logger execution, update FRAM and end the result as completion. 3. Return results. 1. Record power ON history. 1. Turn logger power event clear flag ON. 1. Compare logger numbers.  1. Delete the following addresses 2 to 7 in order. 2. Alem mevent address. 3. Failure event address. 5. Failure event address.	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag  result  None  Logger power event clear flag  indigment result
req[8-1-1-3] req[8-1-1-4] req[8-1-1-6] req[8-1-1-6] req[8-1-1-6] req[8-1-1-7] req[8-1-1-7] req[8-1-1-10] req[8-1-1-10] req[8-1-1-11] req[8-1-1-12] req[8-1-1-12]	for data_logger.c  Stopped states est  Power ON/OFF history creation  Power ON/OFF record maximum number check  Write to power ON/OFF area  Add to power Supply area  Logger function power supply log clear clear end processing Clear clear end processing of logger  Logger power supply stativation processing or logger  Logger power supply activation processing  Power supply for logger function Logger clear state processing  Power supply to logger function Logger clear state processing  Sector erase processing	data_logger. c Perform setting of the function stop state Create power ON/OFF history Check power supply ON/OFF record maximum number Write to the power ON/OFF area  Add to power supply area  Add to power supply area  Perform logger function power supply log clear end processing Perform logger function power supply log clear processing Perform power supply stop processing of logger Perform logger power supply activation processing Perform logger power supply activation processing Power supply of logger function perform logger clear start process Perform logger comparison processing Perform logger comparison processing	None Created string Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF address Write data Number of power ON/OFF data Power ON/OFF address Write data Number of power ON/OFF data Power ON/OFF address Write data Number of power ON/OFF data In-page record count Power ON/OFF address None  Logger power event clear flag status  None None None None None None Address of sogger flag status Address of sogger flag status Address of sogger flag status of	5. Cancel the logger port state. 1. Set FRAM data for data_logger. c to the default state. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-rapa precord count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, the control of the power ONOFF setting data, the control of the power ONOFF setting records. 2. Flash erase. 1. If the number of power ONOFF setting data is not the maximum power ONOFF setting near. ONOFF setting data are not equal, write to the power ONOFF setting area.  1. If the number of power ONOFF setting data is not the maximum power ONOFF setting number, write the spacified byte to FLASH.  1. Return logger power event clear flag. 1. When the logger power event clear flag is ON and the power logger has not been cleared, turn off the logger power event clear flag. 1. If an error does not occur while executing the logger, make the result into execution. 2. If an error cours during logger execution, update FRAM and end the result as completion. 3. Return results. 1. Record power ON history. 1. Turn logger power event clear flag ON. 1. Compare logger numbers. 2. Alam trend address. 3. Failure event address. 4. Alam event address. 5. Failure event address. 5. Failure event address. 6. Calibration history address. 7. Setting change address.	A/D value  None  In-page record count  Fower ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag  result  None  Logger power event clear flag  indigment result  Erase incomplete address
req[8-1-1-3] req[8-1-1-4] req[8-1-1-6] req[8-1-1-6] req[8-1-1-6] req[8-1-1-7] req[8-1-1-7] req[8-1-1-10] req[8-1-1-10] req[8-1-1-11] req[8-1-1-12] req[8-1-1-12]	for data_logger.c  Stopped states set  Power ON/OFF record maximum number check  Write to power ON/OFF area  Add to power ON/OFF area  Add to power supply area  Logger function power supply log clear clear end processing Logger function power supply log clear clear end processing  Power supply stop processing of logger  Power supply activation processing  Power supply for logger function Logger power supply activation processing  Power supply for logger function Logger comparison processing  Logger comparison processing  Logger comparison processing	data_logger. c Perform softing of the function stop state Create power ON/OFF history  Check power supply ON/OFF record maximum number  Write to the power ON/OFF area  Add to power supply area  Add to power supply area  Perform logger function power supply log clear end processing Perform logger function power supply log clear processing Perform power supply stop processing of logger  Perform logger power supply activation processing Power supply of logger function perform logger clear start process	None Created string Power ON/OFF Applicable number Power ON/OFF Applicable number Power ON/OFF address Number of power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF address Write data Number of power ON/OFF data In-page record countr Power ON/OFF address None Logger power event clear flag status  None None None None Address of Office of the Power ON/OFF address None None None Status Status None None None Status Status Status Status None None None Status	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM data for data, logger. c to the default state. 1. Set RFAM data for data, logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the In-gape record court to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting records. 2. If If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting records. 2. If the maximum number of power ONOFF settings and the number of power ONOFF setting data are not equal, write to the power ONOFF setting area. 1. If the number of power ONOFF setting data is not the maximum power ONOFF setting area. 1. If the number of power ONOFF setting data is not the maximum power ONOFF setting area. 1. If the number of power on the power logger power on the setting number, write the specified byte to FLASH.  1. Return logger power event clear flag is ON and the power logger has not been cleared, turn of the logger power event clear flag is ON and the power logger has not been cleared, turn of the logger power event clear flag is ON and the power logger has not been cleared, turn of the logger power event clear flag is ON and the power logger has not been cleared, turn of the logger power event clear flag is ON and the power logger has not been cleared, turn of the logger power event clear flag is ON and the power logger has not been considered.  1. If an error code not occur write executing the logger, make the result into execution.  2. If an error code not occur write executing the logger, make the result into execution.  2. If an error code not occur write executing the logger, make the result into execution.  3. Return results.  4. Record power ON history.  5. Talleve event clear flag ON.  6. Compare logger numbers.  7. Delete the following addresses 2 to 7 in order.  7. Alleve event address.  7. Falver work	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag  result  None  Logger power event clear flag  indigment result
rea[8-1-1-3] rea[8-1-1-4] rea[8-1-1-6] rea[8-1-1-6] rea[8-1-1-7] rea[8-1-1-8] rea[8-1-1-10] rea[8-1-1-10] rea[8-1-1-11] rea[8-1-1-12] rea[8-1-1-12] rea[8-1-2-1]	for data_logger.c  Stopped states est  Power ON/OFF history creation  Power ON/OFF record maximum number check  Write to power ON/OFF area  Add to power Supply area  Logger function power supply log clear clear end processing Clear clear end processing of logger  Logger power supply stativation processing or logger  Logger power supply activation processing  Power supply for logger function Logger clear state processing  Power supply to logger function Logger clear state processing  Sector erase processing	data_logger. c Perform setting of the function stop state Create power ON/OFF history Check power supply ON/OFF record maximum number Write to the power ON/OFF area  Add to power supply area  Add to power supply area  Perform logger function power supply log clear end processing Perform logger function power supply log clear processing Perform power supply stop processing of logger Perform logger power supply activation processing Perform logger power supply activation processing Power supply of logger function perform logger clear start process Perform logger comparison processing Perform logger comparison processing	None Created string Power ON/OFF Applicable number Power ON/OFF address Applicable number Power ON/OFF address Number of power ON/OFF data Write data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF data In-page record count Power ON/OFF address None Logger power event clear flag status  None None None None None Company of the power of the page record count None Company of the power of the page record count Power ON/OFF address None Company of the power of the page record count None Company of the power of the page record count None Company of the page rec	5. Cancel the logger port state. 1. Set FRAM data for data_logger. c to the default state. 1. Set FRAM data for data_logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-rapa precord count to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, the control of the power ONOFF setting data, the control of the power ONOFF setting records. 2. Flash erase. 1. If the number of power ONOFF setting data is not the maximum power ONOFF setting near. ONOFF setting data are not equal, write to the power ONOFF setting area.  1. If the number of power ONOFF setting data is not the maximum power ONOFF setting number, write the spacified byte to FLASH.  1. Return logger power event clear flag. 1. When the logger power event clear flag is ON and the power logger has not been cleared, turn off the logger power event clear flag. 1. If an error does not occur while executing the logger, make the result into execution. 2. If an error cours during logger execution, update FRAM and end the result as completion. 3. Return results. 1. Record power ON history. 1. Turn logger power event clear flag ON. 1. Compare logger numbers. 2. Alam trend address. 3. Failure event address. 4. Alam event address. 5. Failure event address. 5. Failure event address. 6. Calibration history address. 7. Setting change address.	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag  result  None  Logger power event clear flag  result  Erase incomplete address  Erase continuation address
req[8-1-1-3] req[8-1-1-4] req[8-1-1-6] req[8-1-1-6] req[8-1-1-6] req[8-1-1-7] req[8-1-1-7] req[8-1-1-7] req[8-1-1-10] req[8-1-1-10] req[8-1-1-11] req[8-1-1-11] req[8-1-2-1] req[8-1-2-2]	for data Jogger. c Stopped state set Power ON/OFF history creation Power ON/OFF record maximum number check Write to power ON/OFF area  Add to power Supply area  Logger function power supply log clear clear end processing Logger function power supply log clear clear end processing Cogger function power supply log clear processing Power supply stop processing of logger Logger power supply activation processing Power supply for logger function Logger clear start processing Logger comparison processing Sector areas processing Logger FLASH Logger flash status read processing Logger flash status read processing	data_logger. c Perform status readout process of logger FLASH  Perform logger comparison processing Perform logger function processing Perform logger function power supply log clear end processing Perform logger function power supply log clear end processing Perform logger function power supply log clear end processing Perform logger function power supply log clear processing Perform logger function processing of logger Perform logger comparison processing Perform logger comparison processing Perform logger comparison processing Perform sector erase processing of logger FLASH Perform sector erase processing of logger FLASH Perform status readout process of logger flash	None Created string Power ON/OFF Applicable number Power ON/OFF address Applicable number Power ON/OFF address Number of power ON/OFF data Write data Number of power ON/OFF data Power ON/OFF data Power ON/OFF data Power ON/OFF data Number of power ON/OFF data In-page record count Power ON/OFF address None Logger power event clear flag status  None None None None Company of the power ON/OFF data In-page record count Power ON/OFF address None Company of the power of the power ON/OFF data In-page record count Power ON/OFF address None Company of the power of the power on the power on the power on the power of the power on the power of th	5. Cancel the logger error state. 6. Update Portal of Failure. 1. Set FRAM data for data, logger. c to the default state. 1. Set FRAM data for data, logger. c to the default state. 1. Set the function stop state. 1. Check the logger pointer status. 2. Confirm logger face information. 3. Set the in-page record court to 2. 1. If the number of record keeping is equal to or less than the number of power ONOFF setting data, check the maximum number of power ONOFF setting data, check the maximum number of power ONOFF setting sand the number of power ONOFF setting data area. 1. If the number of power ONOFF setting data is not the power ONOFF setting area. 1. If the number of power ONOFF setting data is not the maximum power ONOFF setting data area for sequal, write to the power ONOFF setting area. 1. If the number of power ONOFF setting data is not the maximum power ONOFF setting data are not equal, write to FLASH.  1. Return logger power event clear flag. 1. When the logger power event clear flag. 1. If an error does not occur write executing the logger, make the result into execution. 2. Compared to the logger power event clear flag is ON and the power logger has not been cleared, turn of the logger power event clear flag. 1. Record power ON history. 1. Turn logger power event clear flag ON. 1. Compare logger numbers. 1. Delete the following addresses 2 to 7 in order. 2. Alam mend address. 3. Power ONOFF address. 4. Alam event address. 7. Setting change address. 7. Setting change address. 7. Setting change address. 7. Setting change address.	A/D value  None  In-page record count  Power ON/OFF sectors  Erase incomplete address Number of power ON/OFF data  None  Logger power event clear flag  Logger power event clear flag  result  None  Logger power event clear flag  result  Erase incomplete address  Erase incomplete address

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	Logger confirmation	Confirm each logger	Interval trend cycle Error condition Obtaining the mode status Operation mode General purpose buffer Standby state for this logger state Data logger control fleg Measurement start AK block Logger activation instructed fleg Unersaed address (fleg)	1. Set the time buffer. 2. Count up mode depased seconds count. 3. When the mode is the operation mode, the following processes 4 to 8 are executed. 4. Get mode status. 5. Copy buffer. 6. Buffer the current mode. 7. Set mode elapsed seconds to 0. 8. Append to power supply area. 9. When the mode is the standby mode, the processing setting in the standby state of the following 10 to 11 ti set.	Concentration data Main unit status Sensor specifications Parameters A/D value Operation mode
req[8-1-2-6]			Interval stop processing Flash erase, write error occurrence logger classification Error record	10. Recording standby at power on. 11. Wait for logger to start. 12. When the mode is the logger restart mode, start the logger after stopping. 13. When the logger is running or stopped, set the processing in the following 14 to 18 states and events. 14. At the time of interval. 15. On operation event.	
				16. At alarm event. 17. On fault event. 18. Sector erase execution standby.	
	Logger start	Start each logger	Measurement type Lunch Break FRAM measurement log count Number of logger data Average concentration integrated value of	Update the measurement logger count of FRAM.     Initialize the previous alarm status.     Initialize the previous fault status.     Initialize the number of logger data.     Initialize the number of logger data.     Initialize one address.	Peak value for 5 seconds Cumulative temperature Processing time record
req[8-1-2-7]			interval interval interval integrated temperature value Processing time record Peak temperature value for 5 seconds Logical time finally measured periodically processed	6. Initiatize the number of alarms.  7. Initiatize the everage concentration integrated value of the interval interval.  8. Acquire the final calibration date and time.  9. Record the time taken for processing.  10. Initiatize cycle time in final write.  11. Initiatize everage temperature.	
req[8-1-2-8]	Logger stop	Stop each logger	Automatic recording interval setting value  Overwrite implemented flag  Data logger control flag  Address of the next writing position from the top of the page  Erase incomplete address	12. Set auto recording interval. 13. Create and record an interval header. 1. Set the time buffer. 2. Fill the page. 3. Record the alarm trend header. 4. End the interval.	Processing step Command processing flag
	Copy n bytes	Perform n byte copy	Number of alarms being recorded  Copy destination address	After writing the trailer, clear the running status and stop.     Return processing step+P884.      Copy n bytes.	None
req[8-1-2-9]			Copy source address Number of copied bytes		
req[8-1-2-10]	Header code change  Concentration value or full scale	Change header code  Perform minus over setting	Header buffer Correction value Port setting	Change header code.     If the concentration value is already DDDD value or FEFE value, do not do anything.	General purpose buffer  Concentration value
req[8-1-2-11]	+ 1 digit	3	Minus flag Concentration value Full scale value	If the minus flag is ON, it returns minus over.     When the minus flag is OFF, it returns over.	
req[8-1-2-12]	Logger buffering, page overflow is FLASH, pages less than RAM	Perform logger buffering	Write data Flash address In-page write pointer Alarm being recorded	Return specified byte write processing to FLASH.	judgment result
req[8-1-2-13]	Start measurement of interval trend sector erase avoidance	Perform measurement of interval trend starts sector erase avoidance	Measurement start 4K block Interval page pointer Overwrite implemented flag	If it is not the last page, move on to the next page.     In case of overwrite setting, return to the beginning.     In the case of the 2nd page of the block top page including the measurement starting page, wait until it becomes full.	None
req[8-1-2-14]	Gas specification in header	Perform setting process of gas specification in header	mode port buffer Each alarm point	1. If it exceeds 50000 ppm with 1 st alarm, 2 nd alarm, 3 rd alarm, STEL warning, TWA alarm, set it as concentration code. 2. Record the calibration history of the flammable gas and the bump history with the gas name that is not read. 3. Copy variables and create character data.	Output string
req[8-1-2-15]	Sensor invalid data of interval trend	Perform processing to return sensor invalid data of interval trend	Interval trend mode Port setting Output string	4. Return output string. 1. Copy variables. 2. Return initial fault / function OFF data. 3. Return output string.	Output string
req[8-1-2-16]	Sensor OFF data of interval trend	Perform processing to return sensor OFF data of interval trend	Interval trend mode Port setting	Copy variables.     Return sensor OFF data.	Output string
req[8-1-2-17]	Logger header record for trends	Perform logger header recording for trend	Output string data type Continuous number of flash write faults	Return output string.     He data type is an alarm trend, fill the page and write it in the alarm trend header area.	None
	Create logger header data	Create each logger header data	Header data	Otherwise, write to the interval area.     Create logger header data of the following data type 2 ~9	Number of bytes
req[8-1-2-18]			data type Lunch Break port	2. interval. 3. bar. 4. Alarm trend. 5. Alarm event. 6. Failure event. 7. Proofreading. 8. BUMP. 9. Returns the number of bytes.	
req[8-1-2-19]	Confirm measurement cycle	Perform measurement cycle check	Logical time seconds processed last in the measurement cycle Interval trend cycle Measurement period Processing time record Fault status Gas concentration (for display) 5 seconds peak temperature	<ol> <li>Check interval time dispased</li> <li>When the interval trend cycle is equal to or less than the logical time seconds processed last in the measurement cycle, interval data is recorded or counted up, and the average concentration integration value of the interval interval is initialized.</li> <li>Otherwise, it is added to the average concentration integrated value of the interval.</li> </ol>	Cumulative concentration for average concentration of interval interval
req[8-1-2-20]	Interval event recording	Record interval events	Gas concentration minus flag  Event type  Channel  Logger control flag	If the log is not full, create the data and write it to the interval area.	None
req[8-1-2-21]	Interval event creation	Create an interval event	Continuous number of flash write faults Created string Event type Channel	Copy variables and create interval events.     Returns the number of output bytes.	Number of output bytes
	Acquisition of next page of interval	Acquire next page of interval	Record elapsed seconds The first data write flag Interval page pointer	If it is not the last page, move on to the next page.	Interval page pointer
req[8-1-2-22]	Fill page in the interval area	Perform page filling in the interval area	Overwrite implemented flag Write data	In case of overwrite setting, return to the beginning.     Check remaining amount on page.	Erase unexecuted address None
req[8-1-2-23]			Number of bytes to be written Next writing position from the top of the page Logger control flag Erase incomplete address	If it is not full, acquire the next page and turn on the FRAM write start flag.	
req[8-1-2-24]	Interval trend data recording  Create interval trend data	Recording interval trend data  Create interval trend data	Channel Continuous number of flash write faults The first data write flag	Create data.     Write to the interval area.     Copy variables and create interval trend data.	None  Number of output bytes
req[8-1-2-25]	Interval temperature data creation		In a lift data write hag Invalid (initial malfunction) flag Average concentration of interval interval ON/OFF setting flag	Returns the number of output bytes.	
req[8-1-2-26]	·	Create interval temperature data	Channel Average temperature of interval interval The first data write flag	Copy variables and create interval temperature data.     Returns the number of output bytes.	Number of output bytes
req[8-1-2-27]	Write to the interval area	Write to the interval area	Write data Number of bytes written Channel Data trigger control flag Number of successive rush write faults Logical time seconds processed last in the measurement cycle Continuous number of flash write faults	I. If the page after writing matches the page size, obtain the nest page.     Z tumon FRAM write start flag.     I. If the successive flash write fault count is 0, tum on the first data write flag.     When the number of logger channels is less than the maximum number, record the cycle time at the time of writing.     Ercase the next page.	Cycle time in average temperature writing time seconds
req[8-1-2-28]	Time buffer set  Concentration code over 50000 ppm	Perform time buffer set Display concentration code when concentration is	Erase unexecuted address None concentration	Set the time buffer.      If the concentration value is greater than 50000 ppm, return the concentration code.	None Concentration code
req[8-1-2-29] req[8-1-2-30]	Round with digits	Display concentration code when concentration is 50000 ppm or more  Round with digits	concentration	If the concentration value is less than 50000 ppm, return the concentration value.     Round with digits.	Concentration code Concentration value Concentration rounded by digit
.aqio-1-2-30]	Logger error state set	Perform logger error state set processing	port Error value Logger classification	Returns the rounded concentration in digits.     Bistinguish loggers where errors occurred.     Ersase the flash with the main unit error, and write error.	Error record Main unit error status
req[8-1-2-31]			Logger classification Error record Main unit error status Previous body fault status	2. Erase the flash with the main unit error, and write error.  3. Erase error, Interval overwritten only error, Errors all others.  4. Log an error.  5. Set main unit error status.  6. Get status.  7. Log an error.	Main unit error status Previous body fault status
req[8-1-2-32]	Setting change record maximum number check	Check the setting change record maximum number	Number of setting change data Setting change sector Setting change address	1. If the record keep count is less than or equal to the set change data count, the maximum number of setting change data is checked. 2. Flash drase. 3. Count up successive flash write faults. 4. Delete setting change address to erase incomplete address.	Continuous number of flash write faults Erase incomplete address Number of setting change data Setting change sector
req[8-1-2-33]	Interval stop	Stop the interval	Erase incomplete address	1. When the processing state is 0, forced recording is performed and the processing state is set to 1.  2. When the processing state is 1 and the flash size and the erase incomplete address do not match, the result of the status read processing of the log flash is acquired and the processing state is set to 2.  3. If the processing state is set to 2.  4. When the processing state is 4. processing similar to processing state of the interval area is set to 5.  5. When the processing state is 3, processing similar to processing state 1 is executed.  5. When the processing state is 4. the page filling and processing state 1 is executed.  6. When the processing state is 4. processing state to 5.  6. When the processing state is 5. processing state to processing state 1 is executed.	processing state
req[8-1-2-34]	Trailer record of interval trend	Perform trailer recording of interval trend	data type Continuous number of flash write faults	Create data.     Write to the interval area.	None

req[8-1-2-35]	Create trailer of interval trend	Create trailer of interval trend	data type Created string Measure same value count Port state preservation	Copy variables and create interval temperature data.     Returns the number of output bytes.	Number of output bytes
			Minus flag		
	Interval data storing or counting up	Perform interval data storing or counting up	Forced recording flag Integration number for average concentration of interval interval Cumulative concentration for average concentration of interval interval	<ol> <li>When the integrated concentration for the average concentration for the interval interval is larger than 0, the average concentration of the interval interval is calculated.</li> <li>When the forced recording flag satisfies the following conditions 3 to 5, the average concentration of the interval interval is acquired and the number of data is counted up and the elapse of the automatic recording time is confirmed.</li> </ol>	Average concentration of interval interval The number of data Number of logger data
req[8-1-2-36]			Invalid flag Continuation judgment of sensor OFF The number of data Automatic recording interval	3. Invalid flag is ON. 4. Continuation judgment of sensor OFF is OFF. 5. The number of data is 0. 6. When the number of data is other than 0, record interval trend data. 7. When the forced recording flag is OFF, carry out the following procedures 8 to 9.	
				8. Acquire the average concentration of the interval interval.  9. Set the number of data to 1.  10. Recording interval trend data.  11. Count up the number of logger data.	
req[8-1-2-37]	Logger error condition cancellation Return 2 byte integer as CHAR	cancel logger error condition  Return 2 byte integer as CHAR pointer by byte	None 1 byte integer	Cancel the logger error state.     Convert a 2-byte integer to a CHAR pointer in byte order specification and place it	Error condition Return buffer
req[8-1-2-38]	pointer by byte order specification  Convert to days since 1/01/2000	order specification  Convert to days since 1/01/2000	Return buffer  Current month	Confirm there is no abnormality on the current month.	Return days
req[8-1-2-39]	Find the time difference in seconds	Find the time difference in seconds	Previous value	Calculate the number of days in a month.     3.85 is added to the number of days calculated in 2.     Return days.     Calculate the number of seconds.	Time lag
req[8-1-2-40]			Later value	Calculate the number of days.     Calculate the time difference.     Return time difference.	
req[8-1-2-41]	Convert to seconds since 00:00:00	Convert time to seconds	Value of 00:00:00	Acquire seconds.     Get minute and convert it to second.     Get time and convert to seconds.     Returns the sum of 1, 2 and 3.	The number of seconds
req[8-1-2-42]	Convert to seconds since 2000/01/01 00:00:00	Convert to seconds from 2000/01/01 00: 00: 00	Value of 2000/01/01 00: 00: 00	To the number of days since 2000/01/01 is multiplied by the value obtained by adding 86400 to the conversion processing to the number of seconds since 00:00:00 in the conversion processing.     Return results.	The number of seconds
req[8-1-2-43]	Logger wait state unset	Perform logger wait state unset processing	None	Clear the status.     Set the standby state to be in the logger state during initialization.	Standby state to enter the logger state
	Measurement upper limit value data	Performs measurement upper limit value data	Additional header data	If there is assignment to the corresponding port number of the channel, the following	Number of data bytes
req[8-1-2-44]	creation for MINUS alarm point	creation processing for MINUS alarm point		processes 2 to 4 are executed.  2. Retrieve the assigned number.  3. MINUS atam point measurement upper limit value as concentration code.  4. Add 2 to the number of data bytes.  5. Returns the number of data bytes.	
req[8-1-2-45]	Clear PEAK of logger function	Perform PEAK clear processing of logger function	None	Clear peak value.	None
req[8-1-2-46]	1 sec cycle confirmation processing of logger function	Perform 1 sec cycle confirmation processing of logger function	None	Confirmation at the time of abnormal stop of logger function and action to be taken.     Confirm logger.	None
req[8-1-2-47]	Lunch break flag substitution	Perform lunch break flag substitution processing of logger function	ON/OFF setting flag	When the ON/OFF setting flag is ON, the lunch break flag is turned on.     When the ON/OFF setting flag is OFF, the lunch break flag is turned off.	Lunch break flag
req[8-1-2-48]	processing of logger function Start processing of logger interval	Perform start processing of logger interval	None	When the ON/OFF setting flag is OFF, the lunch break flag is turned off.      Start logger.	None
req[8-1-2-49]	Stop processing of logger interval	Perform stop processing of logger interval	None	If the logger is stopped, make the result stop.     If the logger is not stopped, if you stop the result.     Return results.	result
	Check logger function abnormal stop processing	Perform check logger function abnormal stop processing	Fault status	Make the status system malfunctioning.     When the following conditions 3 to 5 are satisfied, error count processing is not	The integrated value of the average value every 60 seconds
				performed. 3. It is in measurement or display mode. 4. The logger is moving. 5. Roga is a fault to recover.	Average value over all measurement time Integrated value from the start of measurement TWA value
req[8-1-2-50]				Men overwriting.     If the error count is greater than or equal to the logger forced startup time during the measurement / display mode, execute the following processing 8 to 13.     Reset error count.     Update the PEAK value to the current value.	STEL value
				10. Initialize accumulated area, average value. 11. Initialize STEL value and TWA value. 12. Turnoff the resume flag. 13. Start logger measurement.	
req[8-1-2-51]	Operation confirmation processing of logger function  Alarm storing start	Perform operation confirmation processing of logger function  Perform alarm storing start processing	status  Alarm header page pointer	If the status is running, make the result run.     Return results.      Count up the number of alarms being recorded.	result  Number of alarms being recorded
req[8-1-4-1]			Erase incomplete address Alarm trend address Warning point temporary data pointer Concentration value Minus flag	2. Initiatize the next writing position from the top of the page. 3. Acquire warning header page pointer. 4. Count up alarm header page pointer is the maximum number of alarm headers, 5. When the alarm header page pointer is initiatized. 5. When the alarm header page pointer is initiatized. 6. If the crease incompletion address matches the flash size, execute the following. 7. Put alarm trend address in erase incomplete address. 8. Erase the sector of the loga FLASH. 9. Record alarm data. 10. Acquire dater and time of release. 11. Calculate data counter after warning. 12. Initiatize the pre-alarm data copy counter and pre-alarm data copy page. 13. Acquire searing point temporary data governed. 14. Acquire searing point temporary data governed. 15. Initiatize the minus flag of the peak measurement value for 5 seconds.	Neat writing position from the top of the page Alam header page pointer Erase incomplete address Last processed time seconds Data counter after alarm Data counter after alarm Data copy control before alam Data Counter after alam Data Counter after alam Data Counter of Data Counter after alam Data Counter of Data Counter after alam Data Counter after a Data Counter after a Data Counter and Data Counter after a Data Counter and
	Alarm event storing	store alarm event	Number of alarm events	Get peak temperature for 5 seconds.     Create a header.	Erase incomplete address
req[8-1-4-2]			Alarm event sector Address of alarm event	Create data.     Write to the alarm event area.	
	Alarm event confirmation	Confirm each alarm event	Alarm holding information Previous alarm status Replacement gas setting value	When the following conditions 2 to 4 are satisfied, an alarm event is recorded.     The event that occurred is a new event.     It is not a minus alarm.	None
req[8-1-4-3]			Erase incomplete address Data logger control flag Main unit error status Number of alarms being recorded	4. It is an alarm other than CO_H2cancellation.  5. In the case of a mirus alarm, only the interval event is recorded.  6. During interval 7 to 8 below, record interval event.  7. At warning return.  8. At temperature warning.	
req[8-1-4-4]	Create alarm event	Create alarm event	Created string Event type Channel	Copy variables and create alarm events.	Number of output bytes
	Alarm event storing maximum	Check the alarm event storing maximum number	Number of concurrent events  Number of alarm maintenance events applied	If the record keep count is less than or equal to the warning event record,	Erase incomplete address
req[8-1-4-5]	number check  Write to the alarm event area	Write to the alarm event area	Number of alarm events Address of alarm event Write data	check the maximum number of warning event records.  2. Flash erase.  1. If the number of alarm event data is not full, write to the alarm event area.	Alarm event sector  Number of concurrent events
req[8-1-4-6]			Number of bytes written Number of alarm events Address of next write position Number of alarm events for header-less recording		Number of alarm events Address of next write position Erase incomplete address
tr	Ford down to 11		Number of concurrent events	A December of the december of	Bernarden
req[8-1-4-7]	End alarm trend header record Write to the alarm trend header area	Record the alarm trend header at the end Write to the alarm trend header area	Erase incomplete address Write data	Record the alarm trend header at the end.     Write at the end of trend recording or power off.	Processing step None
req[8-1-4-8]			Number of bytes written Area No Flash writing failed		
req[8-1-4-9]	Confirm storing cycle after warning	Confirm storing cycle after warning	Alarm being recorded Last processed time seconds Peak temperature value for 5 seconds Gas concentration Peak measurement value for 5 seconds Minus flag of peak measurement value for 5 seconds	1. When 5 seconds have elepsed, peak initialization is performed for 5 seconds and processing time is recorded. 2. If 5 seconds have not elepsed, check the peak for 5 seconds and calculate the temperature value. 3. When alarm trend recording is completed, record the header.	5 seconds peak temperature
	Confirm storing cycle before alarm	Confirm storing cycle before alarm	Number of alarm events Time in the last measurement cycle processing Gas concentration	When 5 seconds have elapsed, data is recorded in the continuous storage area. Also, record the peak initialization processing time for 5 seconds.  15 seconds have not elapsed chapt the peak for 5 seconds and calculate.	Peak temperature value for 5 seconds before alarm
req[8-1-4-10]			Gas concentration minus flag Peak temperature value for 5 seconds Peak measured value for 5 seconds before alarm Minus flag of peak measurement value for 5	<ol> <li>If 5 seconds have not elapsed, check the peak for 5 seconds and calculate the temperature value.</li> </ol>	
	Header record confirmation	Confirm header record	Next writing position from the top of the page	Record trend logger headers.	Next writing position from the top of the page
req[8-1-4-11]			Area No Date and time of release Data counter after alarm Number of data copies before alert Pre-data copy page number Data copy position before alarm	2. Acquive the next writing position from the top of the page. 3. Acquive warning header page pointer. 4. Acquive date and time of release. 5. Acquive date counter after warning. 6. Acquive data copy number before after. 7. Acquive data copy page number before after.	Area No Date and time of release Data counter after alarm Number of data copies before alert Pre-data copy page number Data copy position before alarm
			Pre-alert data code Peak measurement value for 5 seconds Minus flag of peak measurement value for 5 seconds Number of alarms in process	A captire data copy position before alert.     A captire data code before alerm.     A captire pask measurement value for 5 seconds.     A captire pask measurement value for 5 seconds.     A captire the minus flag of the peak measurement value for 5 seconds.     Count up the number of alems being processed.	Pre-alert data code Peak measurement value for 5 seconds Minus flag of peak measurement value for 5 seconds Number of alarms in process
				•	

req[8-1-4-12]	Copy data before alarm occurrence to alarm trend area	Copy data before alarm occurrence to alarm trend area	Data copy counter before alarm Warning point temporary data pointer First code when FLASH recording temporary trend	<ol> <li>Acquire remaining copy count.</li> <li>If the remaining copy count is not less than the trend record, multiply the trend record with the size of the alarm trend record gas part + minus flag.</li> <li>When the report point temporary data pointer its Q, but the value 1st from the length of the alarm provisional data area into the report point temporary data pointer.</li> <li>Acquire the head code when ELASH recording of tentative trend.</li> <li>Fill remaining page of record record.</li> <li>Count up data copy page number before alert.</li> </ol>	Warning point temporary data pointer Number of data copy pages before alert
req[8-1-4-13]	Create alarm trend data	Create alarm trend data	Output string Data before and after announcement Invalid flag Invalid flag Peak measurement value for 5 seconds Peak measurement value for 5 seconds Peak measurement value for 5 seconds before afarm 5 seconds peak temperature 5 seconds before alarming Peak temperature Minus flag of peak measurement value for 5	/ - Country that occyp page named below aset.  1. Create code.  2. Create gas data.  3. Create temperature data.  4. Greate muse flag.  5. Adjust to 16 bytes in all.	Number of output bytes
req[8-1-4-14]	Embedding alarm trend area	Embed an alarm trend area	seconds Alarm being recorded Alarm header page pointer Address of the next writing position from the top of the page Number of data counters after warning	If flash write fault is 0, embed page 0x00 with address at the top of the page.     If the flash write fault is not 0, fill the page with 0x00 with the address at the top of the page.     Count data counters after warning.	None
req[8-1-4-15]	Write to the alarm trend area	Write to the alarm trend area	Alarm trend address Write data Number of bytes written Alarm being recorded Alarm header page pointer Address of the next writing position from the	If flash write fault is 0, embed page 0x00 with address at the top of the page.     If the flash write fault is not 0, fill the page with 0x00 with the address at the top     of the page.     Set the next writing position from the top of the page to 0.	None
			top of the page Number of data counters after warning Alarm trend address		
	Data storing to continuous storage area	Data storing to continuous storage area	None	Acquire alarm trend data creation processing.     Alarm trend record Place the size of the gas part + minus flag in the alert point	Warning point temporary data pointer
req[8-1-4-16]				temporary data pointer.  3. When the report point temporary data pointer matches the length of the alarm provisional data region length, the alert point temporary data pointer is set to 0.	
req[8-1-5-1]	Fault event storing	Store fault events	Event type Channel Continuous number of flash write faults	1. Set the number of simultaneous occurrences to 1. 2. Acquire logger header data creation processing. 3. Calculate the limit number of fault events without header. 4. Acquire fault event creation processing. 5. Write to the fault event area. 6. If the successive flash write fault count is greater than 1, perform the following processing 7 to 9.	Number of concurrent events Limit on number of fault events without header
	Fault event confirmation	Confirm fault event	Measurement type status	7. Set the logger error status.  8. Count up the number of fault event data.  9. Turnon FRAM write start flag.  1. For initial sensor error, record only during initialization.  2. Record fault events.	Invalid flag Previous fault status
req[8-1-5-2]			Corresponding port number of channel Fault check Previous fault status Erase incomplete address Number of logger data Main unit error status	Record interval events.     Record invalid flag and concentration up to sensor abnormality.     Record invalid flag and concentration of 6 to 7 below.     When returning from flow rate.     T. When returning from pump	
	Failure event creation	Create fault event	Created string Event type	Acquire detailed data of faults.     Acquire battery voltage.	Number of output bytes
req[8-1-5-3]			Channel Number of concurrent events Breakdown Detail Code Sensor check value of EC sensor	3. Acquire the AID value of all sensors and create character data. 4. Set the processing at the time of abnormality with the following indexes 5 to 8. 5. OZ Index. 6. HZS Index. 7. CO Index. 8. EC Index.	
req[8-1-5-4]	Fault event record maximum number check	Check the maximum number of fault event records	Number of fault event data Failure event address	Returns the number of output bytes.     If the number of record holding is equal to or less than the number of fault event data, the maximum number of fault event data is checked.     Flash erase.	Continuous number of flash write faults Erase incomplete address Number of fault event data Failure event sector
req[8-1-5-5]	Write to the fault event area	Write to the fault event area	Number of fault event data Next writing position Number of concurrent events	1. If the number of fault event data is not ful, write to the fault event area     2. Count up successive flash write faults.     3. When the number of simultaneous occurrences is 1, the following processes 4 to 5 are carried out.     4. Count up the number of fault event data.     5. Tumon FRAM write starf flag.	Number of concurrent events Continuous number of flash write faults Number of fault event data
req[8-1-6-1]	BUMP test record	Perform recording of BUMP test	Implementation port Success / fault flag Fast bump flag Corresponding port number of channel Limitation of number of calibration history without header Number of concurrent events Continuous number of flash write faults	1. Set the time buffer. 2. Acquire the SDM serial number used for BUMP. 3. Reak! if there is a corresponding channel on the port. 4. If the BUMP test is successful, obtain the bump test data creation process. 5. In case of the fast bump, acquire the concentration for the fast bump and the bump test data creation processing. 6. Fill the page. 7. Exclude empty data with header only. 8. Writing to the calibration history area.	Concentration data Main unit status Sensor specifications Parameters A/D value Limitation of number of calibration history without header
req[8-1-6-2]	Calibration history record	Record the calibration history	Implementation port Corresponding port number of channel Continuous number of flash write faults	Set the time buffer.     Break if there is a corresponding channel on the port.     If there is a corresponding channel on the port.     If the final calibration date and time are the same, proceed with calibration fault.     A coquire the final calibration date and time.     Fill the page.     Exclude empty data with header only.     Writing to the calibration history area.	Concentration data Main unit status Sensor specifications Parameters A/D value Limitation of number of calibration history without header
req[8-1-6-3]	BUMP test data creation	Create BUMP test data	Created string Channel Concentration at bump deend Bump test concentration Success flag	The number of simultaneous occurrences is 1, copy the variable.     Unity UMP judgment on measurement side.	Number of output bytes
req[8-1-6-4]	Create calibration history	Create calibration history	Number of concurrent events Created string Channel Pre-calibration concentration Calibrated concentration Success flag Number of concurrent events	If the number of simultaneous occurrences is 1, copy the variable.     Create calibration history.	Number of output bytes
req[8-1-6-5]	Calibration history record maximum number check	Check the maximum number of calibration history records	Number of calibration data applied Number of calibration history data	If the number of record holding is equal to or less than the number of calibration history data, the maximum number of calibration history data is checked.	Erase incomplete address Calibration history sector pointer
req[8-1-6-6]	Write to the calibration history area	Write to the calibration history area	Calibration history address Write data Number of bytes written Number of sibristanch inistory data Calibration history address Address of nest write position Limitation of number of calibration history without header Number of concurrent events Continuous number of flash write faults	Flash erase.     If the number of calibration history data is not full, write it in the calibration history area.	Number of concurrent events Erase incomplete address
req[8-1-6-7]	AIR calibration record processing of logger function	Perform AIR calibration record processing of logger function	None	Carry out air calibration.	None
req[8-1-6-8]	BUMP storing processing of logger function	Perform BUMP storing processing of logger function	None	1. Record bump test.	None
req[8-1-6-9]	SPAN calibration record processing of logger function	Perform SPAN calibration record processing of logger function		Record the calibration history.	None
req[8-1-6-10]	Concentration substitution processing for fast BUMP	Perform concentration substitution processing for fast BUP	Gas number Result flag Substitution concentration	When the result flag is calibration, the result is set to the calibration concentration for fast bump.     When the result flag is a result, the result is set to the result concentration for fast bump.	Calibration concentration for fast bump Result concentration for fast bump
req[8-1-6-11]	Concentration acquisition processing for fast BUMP  Setting change confirmation processing	Perform concentration acquisition processing for fast BUMP  Perform setting change confirmation processing	Gas number Result flag Calibration concentration for fast bump Result concentration for fast bump Gas set value Parameter setting value	Return results.     When the result flag is calibration, put the substitution concentration in the calibration concentration for fast bump.     If the result flag is a result, put the substitution concentration in the result concentration for the fast bump.     Check the following settings 2 to 11.     Case setting.     Gas setting.	result  Concentration data  Main unit status
req[8-1-7-1]	-		LCD display related setting value Sensor related setting value Alarm related setting value Time limit related setting value BUMP setting setting value BUMP setting setting value CNOFF related setting value Logger setting value Continuous rumber of flesh write faults Number of setting change data	3. parameter settings. 4. Settings related to LOD display. 5. Sensor related settings. 6. Alarm related settings. 7. Setting related to expirations. 8. BUMP setting. 9. ONOFF setting related settings. 10. Password related settings. 11. Progress setting. 11. While the setting setting. 12. Write to the setting change area.	Sensor specifications Parameters A/D value Number of setting change data

req[8-1-7-2]	Create setting change data	Create setting change data	Created string	1. Create the setting change data with the following settings 2 to 11. 2. Gas setting. 3. parameter settings. 4. Settings related to LCD display. 5. Sensor related settings. 6. Alarm related settings. 7. Setting related to epirations.	Number of output bytes
184[0-1-7-2]				8. Setting BUMP settings.  9. ONDFF setting related settings.  10. Password related settings.  11. Setting of logger setting.	
req[8-1-7-3]	Retain logger setting change for comparison	Retain logger setting change comparison	Gas setting parameter settings Settings related to LCD display Sensor related settings Alarm related settings Setting related to expirations Setting BUMP settings ON/OFF setting related settings	1. Set below 2 to 11 setting Change hold for comparison. 2. Gas setting. 3. parameter settings. 4. Settings related to LCD display. 5. Sensor related settings. 6. Alam related settings. 7. Setting related to expirations. 8. Setting pullwy settings. 8. Setting 19.MPy settings.	Gas setting parameter settings Settings related to LCD display Sensor related settings Alarm related settings Setting related to expirations Setting BUMP settings ON/OFF setting related settings
			ONOTE Setting related settings Password related settings Setting of logger setting	Setting Doubr Settings.     ONOET's entiry rotated settings.     Setting of logger setting.     Setting of logger setting.	ONOTE Setting related settings Password related settings Setting of logger setting
req[8-1-7-4]	Write to the setting change area	Write to the setting change area	Number of setting change data Setting change address	If the number of setting change data is not full, write to the setting change area.     When the specified byte write process is 0 in FLASH, the following processes 3 to 4 are executed.     Count up successive flash write faults.     Turnor FRAM write start flag.	Continuous number of flash write faults
req[8-1-7-5]	Logger function setting change confirmation storing processing	Perform logger function setting change confirmation storing processing	None	Confirm setting change.	None
req[8-1-8-1]	Snap data display start processing	Perform snap data display start processing	Snap record pointer	<ol> <li>Initiatize item number.</li> <li>I Turnoff the numeric up / down change setting.</li> <li>If the snap record pointer is 0, substitute the item number with the maximum number of records, otherwise substitute the snap record pointer.</li> <li>If each of the snap recording to determine whether there is recorded data.</li> </ol>	Item Number Up / down change of numerical value Recording data existence flag
req[8-1-8-2]	Snap data display processing	Perform snap data display processing	Recording data existence flag	If the recorded data existence flag is ON, the recorded data corresponding to the item number is disolated. Otherwise, the fact that there is no recorded data is disolated.     Perform the following processing when the recording data presence/absence flag is ON.	None
req[8-1-8-3]	Snap details display item selection processing	Perform snap details display item selection processing	Recording data existence flag	<ol> <li>Perform the following processing when the recording data presence/absence flag is ON.</li> <li>Perform single-tone buzzer processing.</li> <li>Toggle the item number between 0 and 1.</li> </ol>	Item Number
req[8-1-8-4]	Snap data display item selection processing	Perform snap data display item selection processing	Increase/decrease number	Perform the following processing when the recording data presence/absence flag is ON.     Perform single-tone buzzer processing.	Mode selection number
req[8-1-8-5]	Snap data display UP/DOWN selection processing	Perform snap data display UP/DOWN selection processing	Recording data existence flag	<ol> <li>Increase/decrease the mode selection number according to the increase/decrease</li> <li>Perform the following processing when the recording data presence/absence flag is ON.</li> <li>Perform single-tone buzzer processing.</li> </ol>	Up/down flag
req[8-1-8-6]	Snap date and time display processing	Perform snap date and time display processing	Recording pointer	2. Persion single-vice to duzze processing. 3. Invert the up/down flag. 1. Read the snap record of the record pointer position. 2. Read the recording date and time from the header information and assign it to the LCD	None
	Snap concentration display	Perform snap concentration display processing	Recording pointer	display buffer.  1. Read the snap record of the record pointer position.	None
req[8-1-8-7] req[8-1-8-8]	processing  Snap NO DATA display processing	Perform snap NO DATA display processing	None	Read out the gas information and concentration value from the recorded data and substitute them into the LCD dissolav buffer.      Assign the character data NO DATA to the LCD display buffer.	None
req[8-1-8-9]	Change the concentration code back to over 50000ppm	Perform	Concentration code Concentration value	If the density value is greater than the density code, return the value converted to the original density value.	Concentration value
req[8-1-8-10] req[8-1-8-11]	Snaplog display processing Snaplog configuration process	Perform Perform	None None	2. If the density value is less than or equal to the density code, return the density value.  1. Create the character data corresponding to the snap record display.  1. Set snap logging data.	None None
req[8-1-8-12] req[8-1-8-13]	Snaplog record display processing Snaplog record	Perform Perform	None None	Create character data corresponding to snap record display.     Create the snaplog header data.     Create concentration value and alarm status data.     Create concentration value and alarm status data.	None None
req[8-1-8-14]	Snaplog read	Perform	Read pointer	4. Write to the snae loc area and increment the snae record pointer.  1. Get the snap recording position.  2. Calculate the read address from the snap record location.  3. Read the snap record data from the snap area and store it in the buffer.  4. Return read huffler	Read buffer
req[8-1-8-15]	Confirmation of termination record of snap log area	Perform	None	Get the corresponding write pointer from the snap read pointer.     Calculate the read address.     Read the data in the snap area.	Record presence/absence flag
req[8-1-8-16]	Create snap data	Perform	Output string Gas channel	Check the header information and return whether or not there is a record.     Substitute the start code into the output string if the gas channel is 0.     Assign the concentration value to the output string.	Number of output bytes
req[8-1-8-17]	Write to Snap Region	Perform	Write data Number of bytes written	Assign the alert status to the output string.     Compute the write address from the snap record pointer.     Clear the snap area.     Write to the snap area.	Snap record pointer
req[8-1-8-18]	Get corresponding write pointer from	Perform	Snap record pointer  Read pointer	Increment the snap record pointer.  Compute the corresponding write pointer from the snap read pointer.	Write pointer
req[8-1-8-19]	snap read pointer Logger function snapshot processing Logger area test writing	Perform Perform logger area test writing	Snap record pointer None Trend alarm address	Perform snap log recording processing.     Clear the logger.	None None
req[8-1-9-1]		33	Alarm event address Calibration history address Failure event address Setting change address	2. Write the following items 3 to 10 in order to the logger area test. 3. Interval region. 4. Alarm trend area. 5. Area number. 6. Power supply area. 7. Alarm event. 8. Proofreading.	
				9. Malfunction. 10. setting change. 11. Clear the logger.	
req[8-1-9-2]	Test data expansion processing of logger function	Perform test data expansion processing of logger function	None	Perform logger area test writing.	None
req[8-2-1-1]	Power supply logger	Perform power supply logger clear processing	Data logger control flag Read FLASH status byte	Initialize the logger pointer of the power ON/OFF setting of the A side and B side.     Initial value of record count in page is set to 2.     Clear DATALOGGER_OLEAR.	judgment result
req[8-2-1-2]	data for data_logger.c	Perform address setting of FRAM data for data_logger. c	Data address for data logger	Perform address setting of FRAM data for data_logger. c.	Address of FRAM_DATA. DATA_LOGGE
req[8-2-1-3] req[8-2-1-4]	Alarm temporary trend clear  Data logger clear end confirmation processing of logger function	Initialize alarm temporary trend Perform data logger clear end confirmation processing of logger function	None None	RAM initialization.     Return logger data clear flag.	None Logger data clear flag
req[8-2-1-5]	Data logger clear processing of logger function	Perform data logger clear processing of logger function	Logger data clear flag	When the logger data clear flag is ON and the logger is not cleared, turn off the logger data clear flag.	Logger data clear flag
req[8-2-1-6] req[8-2-1-7]	Logger initialization processing  Data logger clear start processing	Perform logger initialization processing Perform data logger clear start processing of logger	None None	Initialize the logger.     Turn logger data clear flag ON.	Error condition Logger data clear flag
req[8-2-2-1]	of logger function  Logger clear	function  Clear the logger	Data logger control flag Read FLASH status byte	Initialize the logger pointers other than the power ON/OFF setting and setting change history.     Clear DATALOGGER_CLEAR.     Clear DATALOGGER_FULL state.	judgment result
				DATALOGGER_OVERWRITE Clear.     When logger cleared in DISP mode, initialize lunch break and start logger.	
req[8-3-1-1] req[8-4-1-1]	Substitution processing of trouble detail code  Logger full state set	Substitute the trouble detail code  Perform logger full state set	Code number  None	Calculate the fault detail code.     Set the logger full wait state.	Breakdown Detail Code  None
req[8-4-1-1]	Logger run state set Logger remaining time	Perform logger run state set  Perform logger remaining time calculation processing	Interval page pointer Overwrite implemented flag status Measurement start 4K block	Maximize for 10 hours at 10 second intervals and convert to total 3600 data.     If it is less than the last sector, the interval page pointer is multiplied by a value obtained by adding the next writing position from the top of the page and the page size.     If the overwrite setting is not set, the logger full state is set.	Interval page pointer Overwrite implemented flag Logger remaining time
req[8-4-1-3]	Logger full wait state set	Set the logger full wait state	Interval Trend Address State	Divide 14400 by interval trend cycle.     Calculate logger remaining time.     Set the status to the standby state.	Standby state to enter the logger state
req[8-4-1-3] req[8-7-1-1]	Operation system event confirmation	Confirm operation type event	None	Set the standby state to be in the logger state.     Switch stations.	None
req[9-1-2-1]	Create measured concentration display	Create measurement concentration display	Gas setting	<ol> <li>Create a display of the current concentration.</li> <li>When the temperature warning is not in progress and the gas is being replaced, the set flammable gas name is displayed.</li> <li>In the case of the temperature warning, the display flicker is counted and corresponding, o-theracer data is created during the temperature warning.</li> </ol>	None
req[9-2-1-1] req[9-2-1-2]	DISP mode menu start processing DISP mode menu item selection	Perform DISP mode menu start processing Perform DISP mode menu item selection	None Item Number	Initialize item number.     If the item number matches the number of DISP items, turn on the result.	Item Number Item Number
		processing	Item Number	Return results.     Check the DISP mode menu display items.	Maintenance letter
req[9-2-1-3]	processing DISP mode menu display processing	Perform DISP mode menu display processing	ONOFF setting of long life mode Temperature value	2. If item selection number is 00, display PEAK value. 3. If the item selection number is 01, display the STEL value. 4. If the item selection number is 02, display the TWA value. 5. If the item selection number is 02, display the integrated value. 6. When the item selection number is the following items 7 to 14, create character data corresponding to the DISP mode multiple corresponding to the DISP mode multiple corresponding to the DISP mode multiple corresponding to 10. Selection. 7. Flammable read gas selection. 8. Flammable long energy setting. 9. User ID Selection. 10. Station ID Selection. 11. Calibration record indication. 12. BUMP record indication. 13. Date and time temperature indication. 14. Indication of alarm point.	

	Confirmation processing of DISP mode menu display items	Confirmation processing of DISP mode menu display items	ON/OFF setting of display of calibration time limit	Confirm the following display items 2 to 10.     STEL display item.	None
			ON/OFF setting of bump time limit DISP mode setting item ON/OFF setting	TWA display item.     Integrated display item.	
			ID display ON/OFF setting	Calibration record indication.     BUMP record indication.	
req[9-2-1-4]				<ol><li>Flammable reading gas selection item.</li></ol>	
				Flammable long energy setting indication.     User ID selection display.	
				10. Station ID selection display.	
	Gas calibration mode menu start	Perform gas calibration mode menu start processing	None	Initialize item number.	Item Number
req[9-3-1-1]	processing Calibration Expiration Gas Calibration	Perform Calibration Expiration Gas Calibration Mode	None	Turnoff up / down numerical value setting.     Initialize item number with auto cal menu number.	Up / down change of numerical value Item Number
req[9-3-1-2]	Mode Menu Start Processing	Menu Start Processing		Turnoff up / down numerical value setting.	Up / down change of numerical value
req[9-3-1-3]	Gas calibration mode menu item selection processing	Perform gas calibration mode menu item selection processing	Item Number Up / down change setting of numerical value	If the up / down numeric value change setting is OFF, move the item upward.     If the up / down change setting of the number is ON, move the item downward.	Item Number
	Gas calibration mode menu display	Perform gas calibration mode menu display	Gas calibration mode display item Item Number	Check the gas calibration mode menu display item.	Maintenance letter
req[9-3-1-4]	processing	processing	Up / down change setting of numerical value Gas calibration mode display item	Create character data corresponding to the gas calibration mode menu.	
req[9-3-1-5]	Check processing of gas calibration mode menu display items	Performs confirmation processing of the gas calibration mode menu display item	Gas setting ON/OFF setting	Hide reserved items in gas calibration mode.	Gas calibration mode display item
req[9-3-1-6]	User mode menu start processing	Perform USER mode menu start process	None	Initialize item number.	Item Number Up / down change of numerical value
req[9-3-1-7]	User mode menu start processing for	Perform user mode menu start processing for	None	Turnoff up / down numerical value setting.     Initialize item number with cal limit menu number.	Item Number
	calibration expiration User mode menu start processing for	calibration expiration  Perform user mode menu start processing for BUMP	None	Turnoff up / down numerical value setting.     Initialize item number with bump limit menu number.	Up / down change of numerical value  Item Number
req[9-3-1-8]	BUMP expiration User mode menu item selection	expiration  Perform USER mode menu item selection	Item Number	Turnoff up / down numerical value setting.     In the up / down numeric value change setting is OFF, move the item upward.	Up / down change of numerical value Item Number
req[9-3-1-9]	processing	processing	Up / down change setting of numerical value	If the up / down change setting of the number is ON, move the item downward.	Item Number
req[9-3-1-10]	User mode END display processing	Perform USER mode END display processing	USER mode display item None	Create character data corresponding to USER mode END.	None
req[9-3-1-11]	User mode menu display processing	Perform USER mode menu display processing	Item Number USER mode display item	Character data is set with the value of item number as a condition.     Create character data corresponding to the setting mode menu.	Maintenance letter
	Confirmation processing of User	Confirm processing of USER mode menu display	Destination setting	Execute display setting of item 2 to 5 below.	USER mode display item
	mode menu display item	items	Zero tracking ON/OFF display setting within USER mode	ON/OFF setting of calibration expired function setting item.     Zero tracking ON/OFF is displayed in USER.	, ,
req[9-3-1-12]			Suppress ON/OFF display setting in USER Gas setting	Display suppression ON/OFF in USER.  All calibration switch indication in USER mode.  Selection of the control of the con	
			ooming	Samura orner mandard III OCEN IIIOG.	
req[9-4-1-1]	Maintenance mode menu start	Perform maintenance mode menu start	None	Initialize item number.	Item Number
1-4[0-4-1-1]	processing Maintenance mode menu item	processing Perform maintenance mode menu item	Item Number	Turnoff up / down numerical value setting.     In the up / down numeric value change setting is OFF, move the item upward.	Up / down change of numerical value Item Number
req[9-4-1-2]	selection processing	selection processing	Up / down change setting of numerical value MAINTE mode display item	If the up / down change setting of the number is ON, move the item downward.	
req[9-4-1-3]	Maintenance mode menu display processing	Perform maintenance mode menu display processing	Item Number MAINTE mode display item	Check the MAINTE mode menu display items.     Create text data corresponding to MAINTE mode menu.	Maintenance letter
		-			USER mode display item
req[9-4-1-4]	Maintenance mode menu display item confirmation processing	Confirm processing of maintenance mode menu display items	Destination setting	If the destination setting is domestic or a ship, display the maintenance announcement setting.      Why destination setting is contact to the product of the product	USER mode display item
req[9-5-1-1]	Gas select mode menu start	Perform gas select mode menu start processing	None	If the destination setting is overseas, hide the maintenance announcement setting.     Initialize item number.	Item Number
req[9-5-1-1]	processing Gas select mode menu item	Perform gas select mode menu item	Item Number	Turnoff up / down numerical value setting.      If the up / down numeric value change setting is OFF, move the item upward.	Up / down change of numerical value Item Number
req[9-5-1-2]	selection processing	selection processing	Up / down change setting of numerical value Gas select mode display item	If the up / down numeric value change setting is OFF, move the item upward.     If the up / down change setting of the number is ON, move the item downward.	Up / down change of numerical value
req[9-5-1-3]	Gas select mode menu display processing	Perform gas select mode menu display processing	Item Number Gas select mode display item	Create character data corresponding to the gas select mode menu.	Maintenance letter
req[9-6-1-1]	FACT mode menu start processing	Perform FACT mode menu start processing	None None	Initialize item number.	Item Number
. SA[0-0-1-1]	FACT mode menu item selection	Perform FACT mode menu item	Item Number	Turnoff up / down numerical value setting.     If the up / down numeric value change setting is OFF, move the item upward.	Up / down change of numerical value  Item Number
req[9-6-1-2]	processing	selection processing	Up / down change setting of numerical value FACT mode display item	If the up / down change setting of the number is ON, move the item downward.	Up / down change of numerical value
req[9-6-1-3]	FACT mode menu display	Perform FACT mode menu display processing	Item Number	Create character data corresponding to FACT mode menu.	Maintenance letter
	processing  Communication mode communication	Perform communication mode communication	FACT mode display item None	Create character data corresponding to communication mode communication.	None
req[9-7-1-1]	display processing SDM mode display processing	display processing  Perform SDM mode display processing	None	Create character data corresponding to SDM mode.	None
req[9-7-2-1]				•	
req[9-7-2-2]	Acquisition processing of gas combo data for SDM	Acquire processing of gas combo data for SDM	None	Return gas setting data for SDM measurement display.	Gas setting data for SDM measurement display
req[9-7-2-3]	Acquisition processing of EX command flag for SDM	Acquire processing of EX command flag for SDM	None	Return the EX command flag of the command for SD.	EX command flag of the command for SDM
	SDM display data creation processing	Perform SDM display data creation processing	Communication data for SDM display	Clear display data of LCD.     In the case of the measurement screen, the measurement display data for SDM is	Gas combo data for SDM measurement display
req[9-7-2-4]	processing			created.  3. In the case of the maintenance screen, the maintenance display data for SDM is created.	display
req[9-7-2-5]	EX command data reception	Perform EX command data reception processing for SDM	None	Create character data corresponding to reception of EX command data for SDM.	None
	processing for SDM Setting process of EX command flag	Perform setting process of EX command flag of	ON/OFF setting flag	When the ON/OFF setting flag is ON, turn on the EX command flag of the command	EX command flag of the command for SDM
req[9-7-2-6]	of SDM command	SDM command		for SDM.  2. When the ON/OFF setting flag is OFF, the EX command flag of the command for	-
	Maintenance display data creation	Performs maintenance display data creation	Maintenance display data	SDM is turned off.  1. Create character data to be displayed on the maintenance screen.	None
req[9-7-2-7]	processing for SDM  Measurement display data creation	processing for SDM			0
req[9-7-2-8]	processing for SDM	Perform measurement data creation processing for SDM	Measurement data	Create character data to be displayed on the measurement screen.     Blink a comment character.	Comment character blink
	Calculation of initial display duration	Calculate display time of initials	Maintenance announcement display ON/OFF setting	Set the display time of the following items 2 to 14 displayed during the initial.     Date and time.	Initial display time
			ON/OFF setting of display of calibration time limit	Battery voltage.     Gas name.	
			ON/OFF setting of bump time limit ON/OFF setting of ID display	5. TWA alarm point. 6. STEL alarm point.	
req[9-8-1-1]			2	7. Integrating alarm point. 8. 1st alarm point.	
				9. 2 nd alarm point. 10. 3 rd alarm point.	
				10. 3 ro alarm point. 11. Calibration expiration. 12. BUMP expiration.	
				13. User ID.	
req[9-8-1-2]	Acquisition of display time of initials	Acquire display time of initials	None	14. Station ID.  1. Return initial display time.	Initial display time
req[9-8-1-3] req[9-9-1-1]	Create full screen display of initials  Acquisition of the mode status	Create full screen display of initials Acquire mode status	None None	Set all lighting display data.  Return the mode number.	None Mode number
req[9-9-1-1] req[9-9-1-2]	Setting the mode status	Set the mode status	Mode flag	Place the mode flag in the mode number.	Mode number
	Each mode menu item selection processing	Perform each mode menu item selection processing	Number of items in mode Mode end number	Increment the current value when up/down selection is OFF. Skip item hidden numbers.     If the up-down selection is ON, decrement if the current value is non-zero, and set the	Update result
req[9-9-1-3]			Present value Up down selection	end number of the mode if the current value is 0. Skip item hidden numbers.	
	Mode selection numerical value	Perform mode selection numerical value acquisition	Show/hide items Selection value in mode	Acquire the following selection values 2 to 6 and return the acquired value.	Mode selection numerical value
seefo o 4 ···	acquisition processing	processing	Selected value in sub mode Selected value in sub 2 mode	Selection value in mode.     Selected value in sub mode.	
req[9-9-1-4]			Number Sub numerical value	Selected value in sub 2 mode.     Number.	
	Gas name display	Porform are name display		Sub numerical value.	None
	Gas name display	Perform gas name display	Gas setting	When the following conditions 2 to 5 are satisfied, the read gas name is displayed.     Setting is ON.	Ivoid
req[10-2-1-1]				3. H2 Cancel is not CO. 4. Flammability.	
1				It is being rewritten     Create character data corresponding to gas name display.	
			Gas setting	When the setting is on and H2 is not canceled CO, full scale concentration value and	None
	Full scale display	Perform full scale display		gas name are displayed.	
req[10-2-2-1]	Full scale display	Perform full scale display	Setting flammable LEL numerical value		
req[10-2-2-1]				Create character data corresponding to full scale display.	None
	Full scale display  Integral alarm point display	Perform full scale display  Perform integral alarm point display	Setting flammable LEL numerical value  Gas setting Alarm function ON/OFF setting	Create character data corresponding to full scale display.      When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be integrated warning are displayed.	None
req[10-2-2-1]			Gas setting	2. Create character data corresponding to full scale display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be integrated warning are displayed.  2. Setting is ON.  3. Alam function is OFF.	None
	Integral alarm point display	Perform integral alarm point display	Gas setting Alarm function ON/OFF setting	2. Create character data corresponding to full scale display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be integrated warning are displayed.  2. Setting is ON.  3. Alamf function is OFF.  4. Create character data corresponding to integral alamn point display.	
			Gas setting	2. Create character data corresponding to full scale display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be integrated warning are displayed.  2. Setting is ON.  3. Alamn function is OFF.  4. Create character data corresponding to integral alarm point display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be the 1st alarm are displayed.	None None
req[10-2-4-1]	Integral alarm point display	Perform integral alarm point display	Gas setting Alarm function ON/OFF setting Gas setting	2. Čreate character data corresponding to full scale display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be integrated warning are displayed.  2. Setting is ON.  3. Alarm function is OFF.  4. Create character data corresponding to integral alarm point display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and	
	Integral alarm point display	Perform integral alarm point display	Gas setting Alarm function ON/OFF setting Gas setting	2. Čreste character data corresponding to full scale display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be integrated warning are displayed.  2. Setting is ON.  3. Alarm function is OFF.  4. Create character data corresponding to integral alarm point display.  When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be the 1st alarm are displayed.  3. HZ Cancel is not CO.  4. Alarm function is OFF.	
req[10-2-4-1]	Integral alarm point display	Perform integral alarm point display	Gas setting Alarm function ON/OFF setting Gas setting	2. Create character data corresponding to full scale display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be integrated warning are displayed.  2. Setting is ON.  3. Alamn function is OFF.  4. Create character data corresponding to integral alarm point display.  1. When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be the 1st alarm are displayed.  2. Setting is ON.  3. HZ Cancel is not CO.	

req[10-2-4-3]	2nd alarm point display	Perform 2nd alarm point display	Gas setting Alarm function ON/OFF setting	When the following conditions 2 to 4 are satisfied; the concentration value and the gas name to be the 2 nd alarm are displayed.     Setting is ON.     3. HZ Cancel is not CO.     4. Alarm function is OFF.     Create character data corresponding to 2nd alarm point display.	None
req[10-2-4-4]	3rd alarm point display	Perform 3rd alarm point display	Gas setting Alarm function ON/OFF setting	When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be a 3rd alarm are displayed.     Setting is CN.     3. H2 Cancel is not CO.     4. Alarm function is OFF.     5. Create character data corresponding to 3rd alarm point display.	None
req[10-2-4-5]	STEL alarm point display	Perform STEL alarm point display	Gas setting Alarm function ON/OFF setting	When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be the STEL alarm are displayed.     Setting is ON.     H2 Cancel is not CO.     A latern function is OFF.     STEL Creates character data corresponding to alarm point display.	None
req[10-2-4-6]	TWA alarm point display	Perform TWA alarm point display	Gas setting Alarm function ON/OFF setting	When the following conditions 2 to 4 are satisfied, the concentration value and the gas name to be the TWA warning are displayed.     Setting is ON.     3. HZ Cancel is not CO.     4. Alarm function is OFF.     5. Create character data corresponding to TWA alarm point display.	None
req[10-2-5-1]	Alarm point display processing	Perform alarm point display processing	Item Number	I. If item number is 0, display full scale.     When the item number is 1, the 1st alarm point is displayed.     When the number is 2, 2nd alarm point is displayed.     When item number is 3, display 3rd alarm point.     When item number is 3, display 3rd alarm point.     When the item number is 4, the STEL alarm point is displayed.     When the item number is 5, the TWA alarm point is displayed.	None
	Alarm point display start processing	Perform alarm point display start processing	None	When the item number is 6, display the integration alarm point.      Initialize item number.	Item Number
req[10-2-5-2]	Alarm point display item selection	Perform Alarm point display item selection	Item Number	Turnoff up / down numerical value setting.     I. If there is a toxicity sensor, display STEL and TWA.	Up / down change of numerical value  Item Number
req[10-2-5-3] req[10-3-1-1]	processing Display date and time	processing Display date and time	None	Acquire date and time data.     Create character data corresponding to date and time display.	Maintenance letter
req[10-3-4-1]		Perform date and time setting end processing	None	Convert the numerical value corresponding to the date and time to character data.      Set the date and time of the RTC.	None
req[10-3-4-2]	Date and time setting preprocessing	Perform date and time setting preprocessing	None	In Initialize item number.     Turnoff up / down numerical value setting.     Get the current date and time.	Item Number Up / down change of numerical value Editing variables
req[10-3-4-3]	Date and time setting item change processing	Perform the date and time setting item change processing	Item Number Editing variables	When the following conditions 2 to 3 are satisfied, the maximum value of the date and time is set.     Next item to be set is day.     If the date and time is greater than the settable date and time, set the date and time to the maximum value.	Editing variables
reg[10-3-4-4]	Date and time set value change	Perform date and time set value change processing	Date and time	Set the numerical values for year, month, hour, minute.	Editing variables
req[10-3-4-5]	processing  Date setting display processing	Perform date setting display processing	Item Number None	Create character data corresponding to the date and time setting and change the number to character (SHORT) data.     Display character data corresponding to item number.     Sharbes letters.	Maintenance character blinking
req[10-4-1-1]	Battery voltage acquisition processing Battery voltage acquisition processing	Acquire battery voltage Acquire battery voltage for communication output	None None	Return the A/D value of the battery.      Return the A/D value of the communication battery.	A/D value of battery  Battery A/D value for communication
req[10-4-1-2]	for communication output  Battery voltage calculation	Perform battery voltage calculation processing	None	1. Read 12-bit A/D value.	None
req[10-4-1-3]	processing  Battery voltage display	Display battery voltage	Alarm action	When the A/D value of DRY battery is 200 mV or less, set it to Li-ion battery.      Acquire battery voltage.	Maintenance letter
req[10-4-2-1]	Battery voltage confirmation	Perform battery voltage confirmation processing	Startup battery voltage MIN hold delay	Create character data corresponding to battery voltage display.     Convert numeric value corresponding to battery voltage indication into character data.     Calculate battery voltage.	Judgment result
req[10-4-3-1]	processing		Battery A/D value A/D value of battery for communication Battery type Battery status	When using a lithium ion battery, obtain the status of the lithium ion battery.     When using alkaline batteries, obtain the status of alkaline batteries.	
req[10-4-3-2]	Battery icon level acquisition process for communication output	Acquire the communication output battery icon level	None	Return battery voltage icon level.	Battery voltage icon level
req[10-4-3-3]	Low-temperature operation necessity confirmation processing	Perform low-temperature operation necessity confirmation processing	Mode flag Current temperature	Initialize the low temperature operation required flag.     Turn ON the low temperature operation required flag in the initial mode and when the current temperature is below the threshold.	Low temperature operation required flag
req[10-4-4-1]	Battery icon lighting processing ROM/SUM display start processing	Perform battery icon lighting processing Perform ROM/SUM display start processing	Battery status None	3. Return the low temperature coeration required flag.  1. Display the battery icon.  1. Initialize item number.  2. Turnoff up / down numerical value setting.  3. Start ROM check	None Up / down change of numerical value
	Get gas table version number	Perform get gas table version number	None	4. Start SUM relaculation of RL78. 1. Return the gas table version number.	Gas table version number
req[10-5-1-2]	ROM/SUM display processing	Perform ROM/SUM display processing	Gas setting	Create character data corresponding to ROM / SUM display	None
req[10-5-2-1]	Out and the Class	Defended to the Olivia	Item Number None	Convert numeric value corresponding to ROM / SUM display to character data     Return the SUM value of the gas table.	Olina de catalonia
req[10-5-2-2]	Get gas table SUM  ROM/SUM calculation in progress	Perform get gas table SUM  Perform confirmation processing during ROM / SUM	Item Number	When the SUM calculation of MAIN is completed, check the SUM value of MAIN	SUM value of the gas table  Item Number
req[10-5-3-1]	confirmation processing	calculation		<ol><li>When the SUM calculation of the SUB is completed, the SUM value of the SUB is confirmed.</li></ol>	
req[10-6-1-1]	Station ID display	Display the station ID	None	Convert the numerical value corresponding to the station ID display into character data.     Create character data corresponding to station ID display.	None
req[10-6-2-1]	User ID display	Display the user ID	None	Convert numeric value corresponding to user ID display into character data.     Create character data corresponding to user ID display.	None
req[10-7-1-1]	A/D value display preprocessing	Perform A/D value display preprocessing	None	Initialize item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
req[10-7-1-2]	A/D value display page switching A/D value display processing	Switch the display page of the A/D value Perform A/D value display processing	None Item Number	Include increment / decrement processing of number in item number.     Create character data corresponding to each A/D value display.	Item Number Maintenance letter
req[10-7-1-3]			A/D value of NC sensor The A/D value of the EC sensor Temperature value Gas setting A/D value after sensor average	Convert the numerical value corresponding to each A/D value display to character data.	
req[11-1-2-1]	Using temperature warning reset processing	Perform reset processing of using temperature warning	Again warning buzzer counter Operating temperature warning reporting flag	When the warning buzzer counter is smaller than the buzzer resettable time and the operating temperature warning reporting flag is ON, the warning buzzer flag is turned off again.	Operating temperature warning reporting flag
req[11-1-2-2]	Using temperature warning flag acquisition processing	Acquire the using temperature warningg flag	Count outside the operating temperature range Operating temperature out of range flag		Operating temperature warning flag
req[11-1-2-3]	Using temperature warning issuing flag acquisition processing	Acquire using temperature warning reporting flag	None	Return the operating temperature warning reporting flag.	Operating temperature warning reporting flag
req[11-1-2-4]	Using temperature warning confirmation processing	Confirm processing of the using temperature warning	Operating temperature out of range flag Operating temperature out of range flag Warning reset count	1. If a warning is occurring and the temperature is out of the reset temperature range, reset the warning reset count. 2. When a warning is occurring and the warning reset count is equal to or more than the specified count, the following processes 3 to 5 are executed. 3. Temperature range out of use flag is turned off. 4. Warning Reset reset count. 5. Reset outside the operating temperature range. 6. If no warning has occurred, execute the following processing 7 to 10. 7. Reset not so that the security of the following processing 7 to 10. 8. Temperature warning warning flag set OFF. 9. Reset the count outside the operating temperature range when the temperature is within the operating temperature range is more than specified and the measurement is in progress or during the display mode, execute the following processes 11 to 3. 11. Turnon the outside the operating flag. 12. Temperature warning warning flag set ON.	Warning reset count Operating temperature out of range flag Count outside the operating temperature range Again warning buzzer counter Operating temperature warning reporting flag Again warning buzzer counter
req[11-1-2-5]	10 msec interruption processing for using temperature warning processing	Perform 10 msec interruption processing for using temperature warning processing	Count outside the operating temperature range Warning reset count Again warning buzzer counter Operating temperature warning reporting flag 5 second count timer	13. Warning Reset reset count. 14. If the buzzer recourrence count is over the specified value or 1 hour has elapsed, the following processes 15 to 16 are carried out. 15. Temperature warning warning lag set ON. 16. Reset warning buzzer counter again. 11. When the outside temperature range count is less than the timer count maximum value, count up outside the operating temperature range. 2. Warning When the reset count is less than the timer count maximum value, count the warning reset count. 3. When the warning buzzer counter is sets than the timer count maximum value, the warning buzzer counter is counted up again. 15. When the warning buzzer counter is counted up again. 16. Seconds Reset the count timer. 17. Seconds Reset the count timer. 18. Ring a warning buzzer to grant puzzer ranging, execute the following processing 5 to 7. 18. Ring a warning buzzer to grant. 18. Ring a wa	Count outside the operating temperature range Warning reset count Again warning buzzer counter Operating temperature warning reporting flag 5 second count timer

	Acquire long energy flag	Continue analysis flore	Long life ON/OFF flag	Acquire long flag ON/OFF setting flag.	Mode flag of NC sensor
	Acquire long energy riag	Get long energy flag	Mode flag of NC sensor	<ol><li>When any of the following conditions 3 to 5 is satisfied, the long life ON/OFF setting flag is turned off.</li></ol>	Mode flag of NC sensor
req[11-2-1-1]				AIR calibration is in progress.     Maintenance is in progress.	
				Flammable sensor is warming up or off.     Return long flag ON/OFF setting flag.	
req[11-2-2-1]	Flammable long energy setting display processing	Perform flammable long energy setting display processing	None	Create character data corresponding to flammable long energy setting.	None
req[11-2-2-2]	Flammable long energy setting display end processing	Perform flammable long energy setting display end processing	Item Number	Place the item number in the ON/OFF setting of the long life mode.     Turn on FRAM write start flag.	ON/OFF setting of long life mode
req[11-2-2-3]	Flammable long energy setting display start processing	Perform flammable long energy setting display start processing	ON/OFF setting of long life mode	Place the ON/OFF setting of long life mode in the item number.	Item Number
req[11-2-2-4]	Flammable long energy setting selection processing	Perform flammable long energy setting display selection processing	None	Perform selection process of flammable long energy setting.	Item Number
req[11-2-2-5] req[11-2-2-6]	Long energy setting call Setting of long energy	Perform long call energy setting call processing Perform long energy setting process	None ON/OFF setting flag	Return ON/OFF setting flag of long energy.     When the ON/OFF setting flag is OFF, turn ON/OFF setting flag of long energy OFF.	Long energy ON/OFF setting flag Long energy ON/OFF setting flag
req[11-3-1-1]	Margin value calculation processing	Perform margin value calculation process	Gas setting	When the ON/OFF setting flag is ON, turn ON/OFF setting flag of long energy.      Calculate reserve value corresponding to each gas.	None
	EC sensor margin value calculation processing	Perform EC sensor margin value calculation processing	Gas channel Direction of gas change	Obtain the A/D value of the sensor.     Correct the temperature at zero point and change to the reference temperature.	Address of current gas data FRAM data address for gas data
req[11-3-1-2]			Zero coefficient Span fix Full scale value	Calculate the span temperature compensation coefficient.     Calculate EC sensor reserve value.	Span calibration margin value
	Hvdrogen cancellation carbon	Perform hydrogen cancellation carbon monoxide	Calibration concentration value  Span coefficient	H2 cancel Acquires the A/D value of CO and H2S.	Span calibration margin value
reg[11-3-1-3]	monoxide margin value calculation processing	margin value calculation processing	Zero coefficient Full scale value	2. Correct the temperature at zero point. 3. Calculate the span output at the current temperature.	Span calibration margin value
	-		Digit Calibration concentration value	Calculate the span temperature compensation coefficient.     H2 Cancel Calculate the margin value of CO.	
req[11-3-1-4]	Oxygen margin value calculation processing	Perform oxygen margin value calculation processing	Span coefficient Zero coefficient Full scale value	Set the address to O2.     When the instruction is plus, calculate the reserve value of O2.	Span calibration margin value
	Combustible margin value	Perform combustible margin value calculation	Digit  A/D value of NC sensor	Set the address to NC.	Span calibration margin value
	calculation processing	processing	Zero coefficient Measurement gas type group	Calculate the NC zero point temperature compensation coefficient.     Calculate the NC span point temperature compensation coefficient.	Span calibration margin value
			The ratio of FS% LEL to the representative gas	Calculate reserve value of combustible gas.	
req[11-3-1-5]			Span fix Ppm value corresponding to LEL used for concentration calculation		
			Full scale value Calibration concentration value		
	Display of margin value after auto	Display of margin value after auto calibration	Digit Gas setting	When the calibration is executable and not H2 of H2 canceled CO, the gas name is	None
req[11-3-2-1]	calibration		-	displayed as the marginal value concentration.  2. AUTO Creates character data corresponding to the margin value after proofreading.	
	Margin value display function ON/OFF confirmation processing	Perform margin value display function ON/OFF	Margin value display ON/OFF setting	When the following conditions 2 to 4 are satisfied, turn on the result.	Result
req[11-3-3-1]	ON/OFF confirmation processing	confirmation processing	Gas setting	Span reserve value display is ON.     Calibration executable.     H2 Cancel CO is not H2.	
	Sensor margin margin display	Perform sensor marginvalue display ON/OFF	None	Return results.      Create display of ON/OFF setting menu corresponding to ON/OFF setting of sensor	None
req[11-3-3-2]	ON/OFFsetting display processing Sensor margin value display	setting display processing Perform sensor marginvalue display ON/OFF	Item Number	reserve value display.  1. Enter the item number in the margin value display ON/OFF setting.	Margin value display ON/OFF setting
req[11-3-3-3]	ON/OFF setting end processing Sensor margin value display	setting end processing  Perform sensor marginvalue display ON/OFF	Margin value display ON/OFF setting	Turnon FRAM write start flag.     Put the remaining power value display ON/OFF setting in the item number.	Item Number
req[11-3-3-4]	ON/OFF setting start processing Sensor margin value display	setting start processing Perform sensor marginvalue display ON/OFF	None	Place the ON/OFF swapping process in the item number.	Item Number
req[11-3-3-5]	ON/OFF setting selection processing Stealth motor ON/OFF setting display	setting selection processing  Perform stealth motor ON/OFF setting display	None	Create display of ON/OFF setting menu corresponding to stealth motor ON/OFF setting.	None
req[11-4-2-1]	processing Stealth function ON/OFF setting	processing Perform stealth function ON/OFF setting display	None	Create a display of the ON/OFF setting menu corresponding to the stealth function	None
req[11-4-2-2]	display processing Stealth function ON/OFF setting end	processing Perform stealth function ON/OFF setting end	Item Number	ON/OFF setting.  1. Enter the item number in the stealth setting.	Stealth setting
req[11-4-2-3]	processing	processing		Insert item number into stealth motor setting.     Turnon FRAM write start flag.	Stealth motor setting
req[11-4-2-4]	Stealth motor ON/OFF setting start processing	Perform stealth motor ON/OFF setting start processing	Stealth motor setting	Place the stealth motor setting in the item number.	Item Number
req[11-4-2-5]	Stealth function ON/OFF setting start processing	Perform stealth function ON/OFF setting start processing	Stealth setting	Place the stealth setting in the item number.	Item Number
req[11-4-2-6]	Stealth motor ON/OFF setting selection processing	Perform stealth motor ON/OFF setting selection processing	None	Place the ON/OFF swapping process in the item number.	Item Number
req[11-4-2-7]	Stealth function ON/OFF setting selection processing	Perform stealth function ON/OFF setting selection processing	None	Place the ON/OFF swapping process in the item number.	Item Number
req[11-5-1-1]	Flammability limit warning display	Perfor flammability limit warning display	None Gas species	Create character data corresponding to flammable restriction warning.      Acquire the following items 2 to 6.	None  Calibration curve number
	Processing for setting gas data for reading NC sensor	Perform processing for setting gas data for reading NC sensor	Calibration curve number Measurement gas type group	Calibration curve number.     Measurement gas type group.	Measurement gas type group
					The ratio of FS% LEL to the representative
req[11-5-2-1]			The ratio of FS% LEL to the representative gas	The ratio of FS% LEL to the representative gas.     Pom equivalent to LEL.	gas Ppm equivalent to LEL
req[11-5-2-1]			The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for	The ratio of FS% LEL to the representative gas.     Ppm equivalent to LEL.     Ppm value corresponding to LEL used for concentration calculation.	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation
	Combustible gas read permission confirmation processing	Perform combustible gas read permission confirmation processing	The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting	4. The ratio of FS% LEE, to the representative gas. 5. Ppm equivarient to EL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not *****.	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for
req[11-5-2-1]			The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation. 1. When the following conditions 2 to 4 are satisfied, the result is made OK.	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation
			The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting	4. The ratio of FS% LEE, to the representative gas. 5. Ppm equivarient to EL. 6. Ppm value corresponding to EL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not *****. 3. Unit is not vol%. 4. Not HC.	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation
req[11-5-2-2]	confirmation processing  Flammable gas selection display	confirmation processing	The ratio of F5% LEL to the representative gas gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not "***. 3. Unit is not vollé. 5. Return results. 1. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set das distal for reading NC sensor.	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4]	confirmation processing  Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end  processing  Perform flammable gas selection display start	The ratio of F5% LEL to the representative gas gas equivalent to LEL ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode Item Number	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not "**". 3. Unit is not volfs. 5. Return results. 6. Create character data corresponding to flammable gas selection.  1. Place the term number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Turnon FRAM write start flag. 1. Initiatize term number.	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Item Number
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4]	confirmation processing  Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display start processing Flammable gas selection display start processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item	The ratio of FS% LEL to the representative gas  ppm equivalent to LEL  ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammuble sensor mode  Item Number  None  None  Item Number	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not "***. 3. Unit is not vollé. 5. Unit is not vollé. 5. Return mesults. 1. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Turnon FRAM write start flag. 1. Initializa fem number. 2. Turnoff the numeric up / down change setting. 1. If the up / down numeric value change setting. 1. If the up / down numeric value change setting. 1. If the up / down numeric value change setting is OFF, move the item upward.	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4]	confirmation processing  Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display start processing Flammable gas selection display item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable junit warning display	The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode Item Number  None Item Number  Item Number  None Item Number  Some of purposition Some of pur	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to EL. 6. Ppm value corresponding to EL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not """. 3. Unit is not volfs. 5. In the conditions of the following conditions of the conditions of the following conditions of the following conditions of the following conditions of the condition	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Iten Number Up / down change of numerical value
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4]	confirmation processing  Flammable gas selection display processing  Flammable gas selection display end processing  Flammable gas selection display start processing  Flammable gas selection display item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing	The ratio of F5% LEL to the representative gas per equivalent to LEL ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode litem Number  Item Number  None  Item Number of numerical value p/ down change of numerical value.	4. The ratio of FS% LEE. to the representative gas. 5. Ppm equivalent to EL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made CK. 2. Gas name is not """. 3. Unit is not volls. 4. Not HC. 5. Roturn sets is not """. 5. Roturn sets is not "". 6. Roturn sets is not "". 7. In ord ord is not responding to filammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas date for reading NC sensor. 3. Turnon FRAM write start flag. 1. Initialize term number. 2. Turnoff the numeric up / down change setting. 1. If the up / down numeric value change setting is OFF, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 1. If the following conditions 2 to 4 are satisfied, ON is returned. 2. Calibration executable. 3. The combustible gas setting is CH 4 or i - C 4 H 10.	oas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Item Number Up / down change of numerical value Item Number
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4] req[11-5-2-6] req[11-5-2-7]	confirmation processing  Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display stata processing Flammable gas selection display item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable junit warning display	The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode Item Number  None Item Number  Item Number  None Item Number  Some of purposition Some of pur	4. The ratio of FS% LEE, to the representative gas. 5. Ppm equivalent to EL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made CK. 2. Gas name is not ****.  3. Unit is not volls. 4. Not HC. 5. Return results. 1. Create character data corresponding to filammable gas selection. 1. Flace the item number in the combustible read gas number. 2. Set gas data for reading NG sensor. 3. Turnon FRAM write start flag. 1. Initiatize tem number. 2. Turnoff the numeric up / down change setting is CFF, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 1. If the following conditions 2 to 4 are satisfied, ON is returned. 2. Califeration executable. 3. The combustible gas setting is CH 4 or i - C 4 H 10. 4. In fammable ismit.  1. When the fammable restriction is in effect and the combustible gas setting is	oas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Item Number Up / down change of numerical value Item Number
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4] req[11-5-2-5] req[11-5-2-6]	confirmation processing  Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display and processing Flammable gas selection display start processing Flammable gas selection display learned processing Flammable gas selection display preserved absence confirmation processing Flammable restriction mode check processing Confirmation of flammable restriction	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction	The ratio of F5% LEL to the representative gas  Ppm equivalent to LEL  Ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item Number  Item Number  Up / down change of numerical value  Gas setting  Flammable sensor mode  Gas setting  Flammable sensor mode  Measurement gas type group	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to IEL. 6. Ppm value corresponding to IEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not ****. 3. Unit is not vol%. 4. Not HC. 5. Return results. 1. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Tumon FRAM write starf flag. 1. Initialize item number. 2. Tumoff the numeric up / down change setting. 1. If the up / down numeric value change setting is OFF, move the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 1. If the following conditions 2 to 4 are satisfied, ON is returned. 2. Calibration executable. 3. The combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable inimit. 1. When the flammable restriction is in effect and the combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable restriction is in effect and the combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable restriction is in effect and the combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable verser the result. 5. Return results. 6. If the preservalue is solvent setting, carry out the following processing 2 to 4.	oas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Item Number Up / down change of numerical value Item Number None
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4] req[11-5-2-6] req[11-5-2-7]	confirmation processing  Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display start processing Flammable gas selection display item selection processing Flammable gas selection display item selection processing Flammable intil warning display presence/absence confirmation processing Flammable restriction mode check processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable jas selection display item selection processing  Perform flammable ity limit warning display presence/absence confirmation processing  Perform flammable restriction mode check processing	The ratio of FS% LEL to the representative gas  ppm equivalent to LEL  ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item Num	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not """. 3. Unit is not volfs. 5. In the conditions of the	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Item Number Up / down change of numerical value Item Number None Result
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4] req[11-5-2-6] req[11-5-2-7] req[11-5-2-8]	confirmation processing  Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display item selection processing Flammable in initial warning display presence/absence confirmation processing Flammable restriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing	The ratio of F5% LEL to the representative gas  Ppm equivalent to LEL  Ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item Number  Item Number  Up / down change of numerical value  Gas setting  Flammable sensor mode  Gas setting  Flammable sensor mode  Measurement gas type group	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not """. 3. Unit is not volfs. 5. In the conditions of the	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Item Number Up / down change of numerical value Item Number None Result
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4] req[11-5-2-6] req[11-5-2-7] req[11-5-2-8]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display and processing Flammable gas selection display start processing Flammable gas selection display item selection processing Flammable processing Flammable intil warning display presence/absence confirmation processing Flammable restriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable perform flammable processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing	The ratio of FS% LEL to the representative gas  ppm equivalent to LEL  ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item Number  None  Rem Number  None  Gas setting  Flammable sensor mode  Gas setting  Flammable sensor mode  Gas setting  Flammable sensor mode  Measurement gas type group  Gas setting  Gas setting  Flammable sensor mode  Measurement gas type group  Gas setting	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to IEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not ****.  3. Unit is not vol%. 4. Not HC. 5. Return results. 1. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Tumon FRAM with start flag. 1. Initiatize item number. 1. Initiatize item number. 2. Tumoff the number (value change setting). 1. If the up / down change setting is OFF, move the item upward. 2. If the up if down change setting is OFF, move the item downward. 1. If the following conditions 2 to 4 are satisfied, ON is returned. 2. Calibration oscuration. 3. The combustible gas setting is CH 4 H 10. 4. In flammable the start following the item of the item shall be also the item of the ite	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Item Number Up / down change of numerical value Rem Number None Result Gas species
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-8]	confirmation processing  Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display item selection processing Flammable in initial warning display presence/absence confirmation processing Flammable restriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing	The ratio of FS% LEL to the representative gas  ppm equivalent to LEL  ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item Number  None  Rem Number  None  Gas setting  Flammable sensor mode  Gas setting  Flammable sensor mode  Gas setting  Flammable sensor mode  Measurement gas type group  Gas setting  Gas setting  Flammable sensor mode  Measurement gas type group  Gas setting	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not """. 3. Unit is not vol%. 4. Not HC. 5. Return results. 1. Create character data corresponding to filammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Tunnon FRAM white starf flag. 1. Initialize from number. 2. Tunnoff the number (value change setting). 1. If the up / down change testing is OFF, move the item upward. 2. If the up / down change setting is OFF, move the item upward. 2. If the up if off the number is ON, move the item downward. 1. If the following conditions 2 to 4 are satisfied, ON is returned. 2. Calibration executable. 3. The combustible gas setting is CFF and the combustible gas setting is CFF and the following processing is CFF and the following conditions are the setting in reflect and the combustible gas setting is CFF and the combustible gas setting is CF	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result Maintenance letter Flammable read gas number Item Number Up / down change of numerical value Rem Number None Result Gas species
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-7]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display start processing Flammable gas selection display leading the selection processing Flammable gas selection display preserve absence confirmation processing Flammable restriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting display processing	The ratio of FS% LEL to the representative gas per equivalent to LEL pen do for Unit / decimal point position Gas setting Flammable sensor mode  Item Number  Item Number  Item Number of numerical value Gas setting Flammable sensor mode  Item Number of numerical value Gas setting Flammable sensor mode  Item Number of setting Flammable sensor mode  Gas setting Flammable sensor mode  Measurement gas type group Gas setting Item Number last type group Gas setting Flammable sensor mode  Measurement gas type group Gas setting Item Number	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not ****.  3. Unit is not vol%. 4. Not HC. 5. Return results. 1. Create character data corresponding to filammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Tunnon FRAM white staff flag. 1. Initialize from number. 2. Tunnoff the number (value change setting). 1. Initialize tem number. 2. It in up / down change setting is OFF, move the item upward. 2. If the up / down change setting is OFF, move the item upward. 2. If the up if odown change setting is OFF, move the item upward. 3. The combustible gas setting is CFF of the number is ON, move the item downward. 4. If the following conditions 2 to 4 are satisfied, ON is returned. 2. Calcibration executable. 3. The combustible gas setting is CFF of i C 4 H 10. 4. In fammable is limit. 5. When the flammable restoring is each staff on gas. 2. Return results. 2. Return results. 3. The combustible gas setting is CFF, move the item downward is the staff lag. 4. The present value is advent setting, carry out the following processing 2 to 4. 2. Setting the results of the processing as calcibration gas. 4. Turnon RAM write staff flag. 5. The command of the processing as calcibration gas. 5. The present value is a covert setting, carry out the following processing 2 to 4. 2. Setting the managed or presenting as calcibration gas. 5. The present value is a covert setting, carry out the following processing 2 to 4. 2. Setting the managed value corresponding to the flammable LEL value switching setting to character data. 5. The present value is a covert setting, carry out the following processing 2 to 4. 2. Setting the managed value is a calcibration gas. 4. The present value is a covert setting, carry out the following processing 2 to 4. 2. Setting the managed valu	oas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number None  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-8]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display and processing Flammable gas selection display start processing Flammable gas selection display leading to the selection processing Flammable gas selection display preserve absence confirmation processing Flammable restriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting end processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform flammable restriction mode check processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing	The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode Item Number	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not ****.  3. Unit is not vol%. 4. Not HC. 5. Return results. 1. Create character data corresponding to filammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Tunnon FRAM withe starf flag. 1. Initialize item number. 2. Set gas data for reading NC sensor. 3. Tunnon FRAM withe starf flag. 1. Initialize rem number. 2. Limidate the mamber of the combustible read gas number. 2. In the log / down change setting is OFF, move the item upward. 2. If the up / down change setting is OFF, move the item upward. 2. If the up if odown change setting is OFF, move the item upward. 3. The combustible gas setting is CH 4 or i - C 4 H 10. 4. In fammable is limit. 5. The combustible gas setting is CH 4 or i - C 4 H 10. 4. In fammable is limit. 5. When the fammable restorion is in effect and the combustible gas setting is CH 4 or i - C 4 H 10. 5. Return results. 6. Return results. 6. Return results. 7. Return results. 7. Return results. 8. Return results. 8. Set gas data for reading NC sensor. 8. Set gas data for reading NC sensor. 8. The preservative is excent setting, carry out the following processing 2 to 4. 9. The preservative is excent setting, carry out the following processing 2 to 4. 9. The preservative is excent setting, carry out the following processing 2 to 4. 9. The preservative is excent setting, carry out the following processing 2 to 4. 9. The preservative is excent setting, carry out the following processing 2 to 4. 9. The preservative is excent setting, carry out the following processing 2 to 4. 9. The preservative is covered to the setting, carry out the following processing 2 to 4. 9. The preservative is excent setting, carry out the following processing 2 to 4. 9. The preservative is excent setting,	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number None  Result  Gas species  Maintenance character flashing
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-7] rea[11-5-2-9] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-2] rea[11-6-2-3] rea[11-6-2-4]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display start processing Flammable gas selection display item selection processing Flammable gas selection display item selection processing Flammable processing Flammable restriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting end processing Flammable LEL value switching setting end processing Flammable LEL value switching start setting processing Flammable LEL value switching start setting processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform flammable restriction mode check processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting setting setting setting flammable LEL value switching setting	The ratio of FS% LEL to the representative gas per equivalent to LEL pen do for Unit / decimal point position Gas setting Flammable sensor mode  Item Number  Sas setting  Flammable sensor mode  Item Number  Item Number  Item Number  Item Number	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not ****.  3. Unit is not vol%. 4. Not HC. 5. Raturn results. 1. Create character data corresponding to filammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Tunnor FRAM with estart flag. 1. Initiatize item number. 2. Tunnoff the numeric up! down change setting. 1. Initiatize item number. 2. Tunnoff the numeric value change setting is OFF, move the item upward. 2. If the up! down change setting is OFF, move the item upward. 2. If the up! down change setting is OFF, move the item upward. 3. The combustible gas setting is CH of i - C 4 H 10. 4. In fammable instelled in the present value change setting is OFF.  1. When the flammable restore it is reflect and the combustible gas setting is CR. Return sesults.  1. When the flammable can be considered in the result.  2. Set gas data for reading NC sensor. 3. Set gas data for reading NC sensor. 4. Turnor FRAM with estart flag. 5. Set gas data for reading NC sensor. 4. Turnor RAM with estart flag. 5. Crowert the numerical value corresponding to flammable LEL value switching setting. 6. Crowert the numerical value corresponding to the flammable LEL value switching setting. 7. Install the processing of number in item number. 7. Install processing of number in item number. 7. Install processing of number in item number. 8. Turnor IRAM own numerical value setting. 8. Turnor IRAM own numerical value setting. 9. Turno	oas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number None  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Item Number
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4] req[11-5-2-6] req[11-5-2-7] req[11-5-2-8] req[11-5-2-9] req[11-5-2-9] req[11-6-2-2] req[11-6-2-2] req[11-6-2-3] req[11-6-2-4]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display and processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display lead selection processing Flammable gas selection display preserve absence confirmation processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting end processing Flammable LEL value switching start setting processing Calibration data display processing Calibration data display processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing	The ratio of FS% LEL to the representative gas per equivalent to LEL pen do for Unit / decimal point position Gas setting Flammable sensor mode  Item Number  Item Number  Item Number of numerical value Gas setting Flammable sensor mode  Item Number of numerical value Gas setting Flammable sensor mode  Item Number of setting flammable sensor mode  Gas setting Flammable sensor mode  Measurement gas type group Gas setting Item Number  Item Number Setting Flammable sensor mode  Setting flammable sensor mode  Setting flammable sensor mode Setting Se	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not "**". 3. Use 1 for vivils. 3. Use 1 for vivils. 5. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Turnon FRAM write start flag. 1. Initiatize term number. 2. Turnoff the numeric up / down change setting. 2. If the up / down numeric value change setting is OFF, move the item upward. 2. If the up / down numeric value change setting is Fernove the item upward. 2. If the up / down numeric value change setting is Fernove the item downward. 1. If the following conditions 2 to 4 are satisfied, ON is returned. 2. Calibration executable. 3. The combustible legs setting is CP4 or i - C 4 H 10. 4. In flammable limit. 5. When the flammable restriction is in effect and the combustible gas setting is 1. When the flammable restriction is in effect and the combustible gas setting is 2. Return results. 4. Return results. 5. Return results. 6. If the present value is solvent setting, carry out the following processing 2 to 4. 6. Setting the read-out gas setting as calibration gas. 6. Set gas date for reading NC sensor efficiency is the following processing 2 to 4. 6. Setting the read-out gas setting as calibration gas. 6. Turnof the processing of flammable LEL value switching setting to character data corresponding to flammable LEL value switching setting to character data corresponding to flammable LEL value switching setting to character data corresponding to flammable in the item number. 6. Turnoff up / down numerical value setting. 6. In flammability Set the setting of the LEL numerical value in the item number. 7. Linds character data corresponding to flammable risk them number. 8. Linds increment / decrement processing of number in item number. 8. Linds increment	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value  Item Number  Item Number  Item Number  Item Number  Item Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-8] rea[11-5-2-8] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-7-1-1] rea[11-7-1-1]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display and processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display selection processing Flammable gas selection display preserve absence confirmation processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting selection processing Flammable LEL value switching start setting processing Calibration data display processing Calibration data display start processing Calibration data display start Calibration data display start	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable restriction mode check processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting setting call processing setting setting setting call processing perform calibration data display processing  Perform calibration data display processing  Perform calibration data display processing	The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting Item Number	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not "**". 3. Use 1 for ox vol%. 3. Use 1 for vol%. 5. Return results. 1. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Turnon FRAM write start flag. 1. Initiatize term number. 2. Turnoff the numeric up / down change setting. 2. If the up / down numeric value change setting is OFF, move the item upward. 2. If the up / down numeric value change setting is Fernove the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 1. If the following conditions 2 to 4 are satisfied, ON is returned. 2. Calibration executable. 3. The combustible legs setting is CH 4 or i - C 4 H 10. 4. In flammable limit. 5. When the flammable restriction is in effect and the combustible gas setting is 1. When the flammable restriction is in effect and the combustible gas setting is 2. Return results. 2. Return results. 3. If the promote and the setting, carry out the following processing 2 to 4. 3. Setting the read-out gas setting as calibration gas. 3. Set gas date for reading NC sensor efficiency of the filmmable LEL value switching setting to change restring to character data corresponding to flammable LEL value switching setting to character data corresponding to flammable LEL value switching setting to character data corresponding to flammable LEL value switching setting to character data corresponding to flammable in the item number. 3. Flash maintenance letters. 4. Turnor FRAM write start flag. 5. Turnoff up / down numerical value setting. 5. Turnoff up / down numerical value setting. 6. Turnoff up / down numerical value setting. 7. Lindel put down numerical value setting. 7. Lindel put down numerical value setting. 7. Lindel put down nume	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value  Item Number
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4] req[11-5-2-6] req[11-5-2-7] req[11-5-2-8] req[11-5-2-9] req[11-5-2-9] req[11-6-2-2] req[11-6-2-2] req[11-6-2-3] req[11-6-2-4]	confirmation processing  Flammable gas selection display processing  Flammable gas selection display processing  Flammable gas selection display start processing  Flammable gas selection display start processing  Flammable gas selection display start processing  Flammable gas selection display stem selection processing  Flammable processing  Flammable restriction mode check processing  Flammable restriction mode check processing  Flammable LEL value switching setting display processing  Flammable LEL value switching setting display processing  Flammable LEL value switching setting end processing  Flammable LEL value switching setting end processing  Flammable LEL value switching setting display processing  Calibration data display start processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable prestriction mode check processing  Perform flammable restriction mode check processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting satt processing  Perform flammable LEL value switching setting setting satt processing  Perform calibration data display processing  Perform calibration data display start processing  Perform calibration data display start processing  Perform calibration data display start processing	The ratio of FS% LEL to the representative gas  Ppm equivalent to LEL  Ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item  Item Number  Item  I	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2 Gas name is not "**. 3. Unit is not volfs. 5. Unit is not volfs. 5. In the control of the co	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Hem Number Up / down change of numerical value Hem Number  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Hem Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-7] rea[11-5-2-8] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-7-1-1] rea[11-7-1-2] rea[11-7-1-3]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display and processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display selection processing Flammable gas selection display preserve absence confirmation processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting selection processing Flammable LEL value switching start setting processing Calibration data display processing Calibration data display processing Calibration data display start Calibration data display start	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable restriction mode check processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting setting call processing setting setting setting call processing perform calibration data display processing  Perform calibration data display processing  Perform calibration data display processing	The ratio of FS% LEL to the representative gas  ppm equivalent to LEL  ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item  Item Number  Item  Ite	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2 Gas name is not "**. 3. Unit is not volfs. 5. Unit is not volfs. 5. In the control of the co	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Item Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-8] rea[11-5-2-8] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-7-1-1] rea[11-7-1-1]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display item selection processing Flammable gas selection display item selection processing Flammable in init warning display presence absence confirmation processing Flammable to the selection mode check processing Flammable days initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching stiff gas processing Flammable LEL value switching start setting processing Flammable LEL value switching start setting processing Calibration data display greenselection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas intellization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting start processing  Perform flammable LEL value switching setting selection processing  Perform calibration data display processing  Perform calibration data display processing  Perform calibration data display start processing  Perform calibration data display tem selection processing	The ratio of FS% LEL to the representative gas  Ppm equivalent to LEL  Ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item Item Item  Item Item  Item Item  Item Item  Item Item  Ite	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2 Gas name is not "**. 3. Unit is not volls. 5. Unit is not volls. 6. Create character data corresponding to flammable gas selection.  1. Create character data corresponding to flammable gas selection.  1. Flace the item number in the combustible read gas number. 2. Set dags data for reading NC sensor. 3. Turnon FRAM write start flag. 1. Initialize flam number. 2. Turnoff the numeric up / down change setting is OFF, move the item upward. 2. If the up / down numeric value change setting is OFF, move the item downward. 1. If the following conditions 2 to 4 are satisfied, ON in stretumed. 2. Calibration executable. 3. The combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable limit. 1. When the flammable restriction is in effect and the combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable limit. 1. When the flammable restriction is in effect and the combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable limit. 1. The present value is advint esting, curry out the following processing 2 to 4. 3. Set gas date for reading NC error of the combustible gas setting is calibration gas. 3. Flash write start flag. 4. Create character data corresponding to flammable LEL value switching setting in Character data corresponding to flammable LEL value switching setting in Character data corresponding to flammable LEL value switching setting in the lammable LEL value for flammable gas data. 3. Turnoff up / down numerical value setting. 4. Turnoff up / down numerical value setting. 5. The include increament / decrement processing of number in item number. 5. Transfer of the character data corresponding to profreading data. 6. Inflammable is the invalid gas esting is offer, move the item upward. 7. If the up / down numerical value setting. 7. If the up / down numerical value settin	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Hem Number Up / down change of numerical value Hem Number  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Hem Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-7] rea[11-5-2-8] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-7-1-1] rea[11-7-1-2] rea[11-7-1-3]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display start processing Flammable gas selection display preserved absence confirmation processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting selection processing Calibration data display item selection processing Calibration data display item selection processing Calibration data display processing Calibration data display processing Calibration data display item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item admits a selection display item gas selection mode check processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting satt processing  Perform flammable LEL value switching setting setting setting call processing setting setting setting setting setting setting setting setting setting call processing setting setting setting setting setting call processing setting setting setting setting setting setting call processing setting setting setting setting setting setting setting call processing setting setting setting setting setting setting call processing setting settin	The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode  Item Number	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not "**".  2. Gas name is not "**". 3. Return results. 1. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number. 2. Set gas date for reading NC sensor. 3. Turnon FRAM write start flag. 1. Initiatize tem number. 2. Turnoff the numeric up / down change setting. 2. Turnoff the numeric up / down change setting is OFF, move the item upward. 2. If the up / down numeric value change setting is Fernove the item upward. 2. If the up / down numeric value change setting is Fernove the item upward. 2. If the up / down numeric value change setting is Fernove the item upward. 2. If the up / down change setting of the number is ON, move the item downward. 3. The combustible gas setting is CH 4 or i - C 4 H 10. 4. In flammable limit. 4. In flammable limit. 5. The combustible gas setting is CH 4 or i - C 4 H 10. 4. In flammable limit on the result. 7. If the limit of the security of the limit	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Rem Number  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Rem Number  Hem Number Rem Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-7-1-7] rea[11-7-1-7] rea[11-7-1-7]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display start processing Flammable gas selection display preserved absence confirmation processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Calibration data display processing Calibration data display processing Calibration data display processing Calibration data display start processing Calibration data display start processing Calibration data display start processing Calibration data display processing SUMP data display processing SUMP data display processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable prestriction mode check processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting setting call processing selection processing  Perform calibration data display processing  Perform calibration data display three selection processing  Perform calibration data display three selection processing  Perform calibration data display three selection processing  Perform calibration data display processing  Perform BUMP data display processing  Perform BUMP data display processing	The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode  Item Number	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not "**". 3. Unit is not volfil. 5. Create character data corresponding to flammable gas selection.  1. Flace the item number in the combustible read gas number. 2. Set gas data for reading NC sensor. 3. Turnon FRAM write start flag. 1. Initiatize term number in work of the number is ON, move the item upward. 2. If the up / down change setting of the number is ON, move the item upward. 2. If the up / down change setting is OFF, move the item upward. 2. If the up / down change setting is OFF, move the item downward. 1. If the following conditions 2 to 4 are satisfied, ON in setumed. 2. Calibration executable. 3. Turnon the result. 4. In flammable ismit. 5. When the flammable restriction is in effect and the combustible gas setting is OFF. 5. When the flammable restriction is in effect and the combustible gas setting is The understand. 5. If the upward is the selection of the unit of the result. 6. Return results. 6. When the flammable restriction is in effect and the combustible gas setting is The understand. 7. If the present value is solvent setting, carry out the following processing 2 to 4. 6. Setting the read-out gas setting as calibration gas. 6. Set gas date for reading NC sensor. 6. Turnon FRAM write start flag. 6. Create character data corresponding to flammable LEL value switching setting to character data corresponding to flammable LEL value switching setting to character data corresponding to flammable in the item number. 6. Flammability Set the setting of the LEL numerical value in the item number. 7. Lindel character data corresponding to flammable LEL value witching setting to character data corresponding to flammable use the item downward. 7. If the up/down setter of the LEL numerical value in the item number. 8. Turnof up / down numerical value setting. 9. T	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number None  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Item Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-9] rea[11-5-2-9] rea[11-6-2-1] rea[11-6-2-1] rea[11-6-2-1] rea[11-7-1-1] rea[11-7-1-3] rea[11-7-1-4]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display start processing Flammable gas selection display preserved absence confirmation processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting selection processing Calibration data display item selection processing Calibration data display item selection processing Calibration data display processing Calibration data display processing Calibration data display item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item admits a selection display item gas selection mode check processing  Perform flammable restriction mode check processing  Perform confirmation of flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting satt processing  Perform flammable LEL value switching setting setting setting call processing setting setting setting setting setting setting setting setting setting call processing setting setting setting setting setting call processing setting setting setting setting setting setting call processing setting setting setting setting setting setting setting call processing setting setting setting setting setting setting call processing setting settin	The ratio of FS% LEL to the representative gas  Ppm equivalent to LEL  Ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item  Item Number  Item Item  Item Item  Ite	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not """. 3. Unit is not volls. 4. Not HC. 5. A not HC. 6. Pince the item number in the combustible read gas number. 5. Create character data corresponding to flammable gas selection.  1. Flace the item number in the combustible read gas number. 5. Set gas data for reading NC ensemble. 7. Item of the following the reading to flammable gas the reading to the reading NC ensemble. 7. Item of HC.	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Item Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-1] rea[11-5-2-1] rea[11-5-2-1] rea[11-7-1-1] rea[11-7-1-1] rea[11-7-1-4] rea[11-7-1-4] rea[11-8-1-1] rea[11-8-1-1] rea[11-8-1-1]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display stem selection processing Flammable processing siplay preserved absence confirmation processing Flammable restriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting end processing Flammable LEL value switching setting end processing Flammable LEL value switching setting end processing Calibration data display start processing Calibration data display processing SUMP data display processing SUMP data display item selection processing Calibration data data play item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform flammable restriction mode check processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting setting start processing  Perform flammable LEL value switching setting set	The ratio of FS% LEL to the representative gas page appropriate of FS% LEL to the representative gas Ppm equivalent to LEL ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammible sensor mode  Item Number  Item Item Item Item Item Item Item Item	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2 Gas name is not "**."  3. Unit is not volfs. 5. Case ame is not "**."  5. Unit is not volfs. 6. Return results. 6. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number.  2. Set gas data for reading NC sensor. 7. Turnon FRAM write start flag. 1. Initiatize for mamber. 2. Turnoff the numeric up / down change setting. 7. Turnon FRAM write start flag. 7. Initiatize for number. 7. Turnon FRAM on number. 7. Turnon FRAM on number. 7. Turnoff the numeric up / down change setting is OFF, move the item upward. 7. If the up / down change setting is OFF, move the item downward. 7. If the up / down change setting is OFF, move the item downward. 7. If the up / down change setting is OFF, move the item downward. 7. If the up / down change setting is OFF, move the item downward. 7. If the prosen on unmeric value change setting is OFF, move the item downward. 7. If the prosen on setting on the item for item of the item downward. 7. If the prosen value considers of the number is ON, move the item downward. 7. If the prosen value gas esting is CH 4 or i - C 4 H 10. 7. In fammable limit. 7. When the flammable gas setting is CH 4 or i - C 4 H 10. 7. In fammable limit. 7. When the flammable gas setting is CH 4 or i - C 4 H 10. 7. It is the prosen value is selvent esting, carry out the following processing 2 to 4. 7. Setting the read-out gas setting as calibration gas. 7. Set GL 5. Value for from male calibration gas. 7. Set GL 5. Value for from male calibration gas. 7. It is the prosen the random processing of fourther in item number. 7. Turnoff up / down numerical value setting. 7. In the up / down numerical value setting. 8. Turnoff up / down numerical value setting. 8. Turnoff up / down numerical value setting. 9. Turnoff up / down nu	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number None  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Item Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-7] rea[11-5-2-7] rea[11-5-2-7] rea[11-5-2-7] rea[11-5-2-7] rea[11-5-2-7] rea[11-7-1-1] rea[11-7-1-3] rea[11-7-1-4] rea[11-7-1-4]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display item selection processing Flammable processing Flammable processing Flammable print warning display presence/absence confirmation processing Flammable restriction mode check processing Flammable restriction mode check processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting end processing Flammable LEL value switching setting end processing Calibration data display start processing Calibration data display processing BUMP data display tem selection processing BUMP data display tem selection processing Calibration data bump data display item selection processing Calibration data data dup data display item selection processing Calibration data bump data display item selection processing Calibration data dup data display item selection processing Calibration data dup data display item selection processing Calibration data dup data display item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable prestriction mode check processing  Perform flammable restriction mode check processing  Perform flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting sett processing  Perform calibration data display processing  Perform calibration data display start processing  Perform calibration data display tem selection processing  Perform calibration data display tem selection processing  Perform calibration data display tem selection processing  Perform BUMP data display processing  Perform BUMP data display item selection processing  Perform calibration data display item selection processing  Perform calibration data display item selection processing  Perform calibration data display item selection processing	The ratio of FS% LEL to the representative gas Ppm equivalent to LEL Ppm value corresponding to LEL used for Unit / decimal point position Gas setting Flammable sensor mode Item Number Item Item Item Item Item Item Item Item	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2 Gas name is not "**. 3. Unit is not volfs. 5. Unit is not volfs. 5. In the control of the co	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Item Number
rea[11-5-2-2] rea[11-5-2-3] rea[11-5-2-4] rea[11-5-2-6] rea[11-5-2-6] rea[11-5-2-7] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-8] rea[11-5-2-1] rea[11-5-2-1] rea[11-5-2-1] rea[11-7-1-1] rea[11-7-1-1] rea[11-7-1-4] rea[11-7-1-4] rea[11-8-1-1] rea[11-8-1-1] rea[11-8-1-1]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display stem selection processing Flammable processing siplay preserved absence confirmation processing Flammable restriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting end processing Flammable LEL value switching setting end processing Flammable LEL value switching setting end processing Calibration data display start processing Calibration data display processing SUMP data display processing SUMP data display item selection processing Calibration data data play item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable processing  Perform flammable restriction mode check processing  Perform flammable restriction mode check processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting setting start processing  Perform flammable LEL value switching setting set	The ratio of FS% LEL to the representative gas  Ppm equivalent to LEL  Ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode   Rem Number  Rem Number  Rem Number  Item  Item Number  Item Number  Item  Item	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concertration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2. Gas name is not "**". 2. Gas name is not "**". 3. Robins of the control of th	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number None  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Item Number
req[11-5-2-2] req[11-5-2-3] req[11-5-2-4] req[11-5-2-6] req[11-5-2-6] req[11-5-2-8] req[11-5-1-8] req[11-5-1-8] req[11-5-1-8] req[11-5-1-8]	confirmation processing  Flammable gas selection display processing Flammable gas selection display processing Flammable gas selection display end processing Flammable gas selection display start processing Flammable gas selection display start processing Flammable gas selection display processing Flammable gas selection display processing Flammable processing Flammable settriction mode check processing Confirmation of flammable restriction mode Read gas initialization processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting display processing Flammable LEL value switching setting processing processing processing processing Calibration data display processing Calibration data display processing Calibration data display term selection processing BUMP data display processing BUMP data display processing BUMP data display processing Calibration data display item selection processing	confirmation processing  Perform flammable gas selection display processing  Perform flammable gas selection display end processing  Perform flammable gas selection display start processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable gas selection display item selection processing  Perform flammable prestriction mode check processing  Perform flammable restriction mode check processing  Perform flammable restriction mode Read gas initialization processing  Perform flammable LEL value switching setting display processing  Perform flammable LEL value switching setting end processing  Perform flammable LEL value switching setting sett processing  Perform calibration data display processing  Perform calibration data display start processing  Perform calibration data display tem selection processing  Perform calibration data display tem selection processing  Perform calibration data display tem selection processing  Perform BUMP data display processing  Perform BUMP data display item selection processing  Perform calibration data display item selection processing  Perform calibration data display item selection processing  Perform calibration data display item selection processing	The ratio of FS% LEL to the representative gas  Ppm equivalent to LEL  Ppm value corresponding to LEL used for  Unit / decimal point position  Gas setting  Flammable sensor mode  Item Number  Item Num	4. The ratio of FS% LEL to the representative gas. 5. Ppm equivalent to LEL. 6. Ppm value corresponding to LEL used for concentration calculation.  1. When the following conditions 2 to 4 are satisfied, the result is made OK. 2 Gas name is not "***. 3. Unit is not voll%. 5. Unit is not voll%. 5. In the not voll%. 6. Return results. 1. Create character data corresponding to flammable gas selection.  1. Place the item number in the combustible read gas number. 2. Ski dags data for reading NC sensor. 3. Tumon FRAM write start flag. 1. Initialize flam number. 2. Tumoff the numeric up / down change setting is OFF, move the item upward. 2. If the up / down numeric value change setting is OFF, move the item downward. 1. If the louly down numeric value change setting is FF. move the item downward. 1. If the following conditions 2 to 4 are satisfied, Oh is returned. 2. Calibration executable. 3. The combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable limit. 1. When the flammable restriction is in effect and the combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable limit. 1. When the flammable restriction is in effect and the combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable limit. 1. Start in the combustible gas setting is CH4 or i - C 4 H 10. 4. In flammable limit. 1. The present value is solvent setting, carry out the following processing 2 to 4. 2. Setting the text of gas Return setting. 2. Convert the numerical value setting. 3. Flash maintenance letters. 4. Tumor FRAM write start flag. 4. Tumor FRAM write start flag. 5. Create character data corresponding to flammable LEL value switching setting to Character data corresponding to flammable LEL value switching setting to Character data corresponding to flammable in the Rem number. 2. Tumoff up / down numerical value setting. 3. Flash maintenance letters. 4. Tumor flag of down numerical value setting. 5. The cate character data corresponding to profreading data. 6. In the up/down selection flag is down and the mode selection numbe	gas Ppm equivalent to LEL Ppm value corresponding to LEL used for concentration calculation Result  Maintenance letter Flammable read gas number  Item Number Up / down change of numerical value Item Number  Result  Gas species  Maintenance character flashing  Setting flammable LEL numerical value Item Number

	FRAM reset alarm point LOAD processing	Perform FRAM reset alarm point LOAD processing	Number of writes Structure size of alarm point data for reset	Read FRAM reset alarm point data 2 planes.     Match write process.	Judgment result
req[11-9-1-2]				Compare which side is the latest.     Write on the old side.	
				If you do not know which side is the latest, write on both sides.     Return judgment result.	
req[11-9-1-3]	Confirmation flag for checking whether the alarm point can be	Set the confirmation flag as to whether the alarm point can be reset to the factory setting	None	Return alarm reset ON/OFF setting flag.	Judgment result
req[11 0 1 0]	reset to the factory setting  Alarm point factory setting restore	Perform alarm point factory setting restore display	None	Create character data corresponding to display 1.	N
req[11-9-1-4]	display 1 processing	1 processing	None		None
req[11-9-1-5]	Alarm point factory setting restore display 2 processing	Perform alarm point factory setting restore display 2 processing	None	Create character data corresponding to display 2.	None
req[11-9-1-6]	Alarm point factory setting restore processing	Perform alarm point factory setting restore processing	None	Load factory default data (alarm point) of FRAM.     Turnon FRAM write start flag.	None
	FRAM reset alarm SUM calculation	Perform FRAM reset alarm SUM calculation	FRAM data address for reset alarm point	Reset watchdog timer.	Judgment result
req[11-9-2-1]	result		Alarm point for resetting data structure size	Perform FRAM reset alarm SUM calculation.     Reset the watchdog timer.	
	FRAM reset alarm point data is	FRAM reset Alarm point data is divided into	Numerical value of surface (A side B side)	FRAM reset alarm Returns the result of SUM calculation.      Place the inverted value of FRAM_DATA in the fram_back.	Surface status (face j or faced)
	divided into specified bytes and written	specified bytes and written	Alarm point for resetting data structure size Number of writes	Initialize pointer.     Specify the side to be written.	
req[11-9-2-2]				Write data.     In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data.	
				Writing the write count.     Return data write.	
	FRAM reset alarm point update	Perform FRAM reset alarm point update processing	Number of writes	Substitute the FRAM setting data size.	Number of writes
req[11-9-2-3]	processing		FRAM reset alarm SUM calculation result	Substitute the program number.     Copy the program number.	Judgment result
	Alarm point setting display processing	Display processing of alarm point setting at reset	None	Check SUM Update.     Create character data corresponding to reset alarm point setting.	None
req[11-9-2-4]	at reset  Alarm point setting end processing	Perform end processing of alarm point setting at reset	Full coale value	Reset each alarm point.	Full scale value
	at reset	renormend processing or alarm point setting at reset	Unit decimal point position 1st alarm point	Turnon the FRAM error flag.     Confirm whether resetting of alarm point can be executed.	1st alarm point 2nd alarm point
req[11-9-2-5]			2nd alarm point	Commit whether resetting or alarm point can be executed.	3rd alarm point STEL alarm point
			3rd alarm point STEL alarm point		TWA alarm point
	Gas test display processing	Perform a gas test display process	TWA alarm point None	Display concentration for gas test.	Judgment result None
req[12-1-1-1]				Create character data corresponding to gas test.	
req[12-2-1-1]	Check if sensor change date ESCAPE display	Sensor exchange date setting Confirm whether ESCAPE display is displayed	Item Number	When the item number is 6, turn the judgment result ON.     Returns the judgment result.	Judgment result
	Sensor replacement date setting	Perform sensor replacement date setting display	Item Number	Acquire date and time data.	Maintenance letter
req[12-2-1-2]	display processing	processing		Create character data corresponding to sensor replacement date setting.     Create character data corresponding to sensor replacement date setting.	7 SEG dots for concentration
104[12-2-1-2]				<ol> <li>Change the numerical value corresponding to sensor change date setting to character (SHORT) data.</li> </ol>	
	Sensor replacement date setting	Perform sensor replacement date setting gas	Item Number	Create character data corresponding to the sensor exchange date setting gas.	None
req[12-2-1-3]	gas selection display processing Sensor replacement date setting	selection display processing  Perform sensor replacement date setting end	Item Number	Acquire date and time data.	Sensor exchange date and time
req[12-2-2-1]	end processing	processing		Output year, month, day.	
req[12-2-2-2]	Sensor replacement date setting gas selection start processing	Perform sensor replacement date setting gas selection start processing	None	Initialize item number.     Turnoff up / down numerical value setting.	Item Number Up / down change of numerical value
	Sensor replacement date setting display item selection processing	Perform sensor replacement date setting display item selection processing	Item Number Up / down change of numerical value	If the up / down change is OFF, carry out the following processing 2 to 3.     If the item number is larger by 1 than the maximum value, the item number is initialized.	Item Number
req[12-2-2-3]			Gas setting	<ol> <li>If the item number is smaller than the value obtained by adding 1 to the maximum value, 1 is added to the item number.</li> </ol>	
req[13-1-1-1]	Channel port number correspondence setting	Perform channel port number correspondence setting	Gas set value	Set the channel port number correspondence.	Setting port
req[13-1-1-2]	I/O port initialization processing (main MCU)	Initialize the I/O port	None	Initialize the I/O port.	None
req[13-1-1-3]	I/O port initialization processing	Initialize the I/O port	None	Initialize the I/O port.	None
-	(sensor MCU)  Port setting initialization processing	Perform port setting initialization processing	None	Initialize port settings.	None
req[13-1-1-4]	USB port acquisition processing	Perform USB port acquisition processing	None	Initialize the port ON/OFF flag.	Port ON/OFF flag
req[13-1-1-5]	DOD port adjustion processing	Total Good part adjustion processing	Total Control	<ol><li>When the USB connection confirmation port is HI, turn ON the port ON/OFF flag.</li></ol>	Total Ore of Finance
req[13-2-1-1]	SUM value acquisition processing	Perform SUM value acquisition processing	None	Return the port ON/OFF flag.     Return the SUM value.	SUM value
	SUM value acquisition processing ROM check processing	Perform SUM value acquisition processing Perform ROM check processing	Check start address Check end address	Return the SUM value.     Calculate the difference between the check end address and the check start address.     If the difference result is 0 or more, put that value in the base sum and	SUM value Base Sum
req[13-2-1-1] req[13-2-1-2]			Check start address	Return the SUM value.     Calculate the difference between the check end address and the check start address.     If the difference result is 0 or more, put that value in the base sum and subtract the difference result.     Return basesum.	Base Sum
req[13-2-1-2]	ROM check processing  ROM value call processing	Perform ROM check processing  Perform ROM value call processing	Check start address Check end address Base Sum	Return the SUM value.     Return the SUM value.     Return the SUM value in the check end address and the check start address.     If the difference result is 0 or more, put that value in the base sum and subtract the difference result.     Return basesum.     Return basesum.	Base Sum  ROM value
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-5]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform resion value call processing  Perform version value call processing	Check start address Check end address Base Sum None Data buffer	Return the SUM value.     Calculate the difference between the check end address and the check start address.     If the difference result is 0 or more, put that value in the base sum and subtract the difference result.     Return basesum.     Return basesum.     Return the SUM value.     Return the SUM value.     Return the SUM value.     Copy the version value to the data buffer.	Base Sum  ROM value SUM value Data buffer
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-5] req[13-2-1-6]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform version value call processing  Substitute the ROM number of RL78	Check start address Check end address Base Sum None None Data buffer ASCII [5] data pointer of ROM number	Return the SUM value.     Return the SUM value.     Return the SUM value in the base sum and substant address. Subtract the difference result is 0 or more, put that value in the base sum and subtract the difference result.     Return basesum.     Return the ROM value.	Base Sum  ROM value SUM value Data buffer None
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-5]	ROM check processing  ROM value call processing SUM value call processing Version value call processing Substitution of ROM number of RL78 Substitution of RUM value of RL78 Substitution of RT78 version number	Perform ROM check processing  Perform ROM value call processing Perform SUM value call processing Perform version value call processing Substitute the ROM number of BL78 Substitute the ROM number of RL78 Substitution of RL78 version number	Check start address Check end address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Copy the version value to the data buffer. 1. Acquire Buff Value of R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Copy the version value to the R178 microcomputer to the data buffer.	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-5] req[13-2-1-6] req[13-2-1-7]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of SUM value of RL78  Substitution of RL78 version number  Interrupt processing of 10 msec of  SUM calculation of RL78	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform version value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute of RL78  Substitut	Check start address Check and address Bases Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count Standby count SUM calculation phase value	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Copy the varience value to the data buffer. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Copy the varience value to the R18 microcomputer to the data buffer. 1. If the wait count is greater than 0 at the start, wait, or end of the calculation of the SUM value, the wait count is counted down.	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM Culculation phase value
req[13-2-1-3] req[13-2-1-4] req[13-2-1-6] req[13-2-1-6] req[13-2-1-7] req[13-2-1-8]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RU78 substitution of RL78  Substitution of RL78 version number  Interrupt processing of 10 mass	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform version value call processing  Substitute the ROM number of RL78  Substitute the ROM value of RL78  Substitution of RL78 version number  Perform interrupt processing of 10 msec of SUM	Check start address Check and address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Copy the varieton value to the data buffer. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Copy the varieton value of the R178 microcomputer to the data buffer. 1. If the wait count is greater than 0 at the start, wait, or end of the calculation of the SUM value, the value four is counted down. 1. When the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag.	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-5] req[13-2-1-6] req[13-2-1-7] req[13-2-1-9] req[13-2-1-10]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RL78 existin number interrupt processing of 10 macc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform varsion value call processing  Substitute the ROM number of RL78  Substitution of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Perform interrupt processing of 10 msec of SUM  calculation of RL78	Check start address Check and address Bases Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count Standby count SUM calculation phase value	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return the SEM value. 1. Copy the version value to the data buffer. 1. Acquire the ROM number of the R78. 1. Acquire SEM value of R78. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. It the wate count is greater than 0 at the start, wait, or end of the calculation of the SEM value is over 10 or the SEM value. 1. When the calculation of the SEM value is one of activation, standby, and end,	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-5] req[13-2-1-6] req[13-2-1-7] req[13-2-1-8]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Version value call processing  Substitution of RU78  Substitution of RU78 value of RU78  Substitution of RU78 varsion number  Interrupt processing of 10 mas of  SUM calculation of RU78  RU78 SUM value calculation  transmission permission processing	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitution of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Perform interrupts processing of 10 msec of SUM  calculation of RL78  Perform transmission permission processing for  calculation of SUM value of RL78	Check start address Check and address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Standby count SUM calculation phase value SUM calculation phase value	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return the SIGM value. 1. Return the ROM value. 1. Return the ROM value. 1. Return the ROM value. 1. Copy the version value to the data buffer. 1. Acquire SUM value of 778. 1. Acquire SUM value of 878. 1. Acquire SUM value of 878. 1. Copy the version value of the RTS microcomputer to the data buffer. 1. Copy the version value of a the SIGM value value of 878. 1. Copy the version value of the RTS microcomputer to the data buffer. 1. When the recipitation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return permission flag.	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM Culculation phase value
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-4] req[13-2-1-6] req[13-2-1-7] req[13-2-1-8] req[13-2-1-10] req[13-2-1-10]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Version value call processing  Substitution of RUTA  Substitution of	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform version value call processing  Substitute the ROM number of RL78  Substitution of RL78  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Perform transmission permission processing for  calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform compileration confirmation end processing	Check start address Check and address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Standby count SUM calculation phase value SUM calculation phase value	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return the SIGM value. 1. Return the ROM value. 1. Return the ROM value. 1. Return the ROM value. 1. Copy the version value to the data buffer. 1. Acquire SUM value of 778. 1. Acquire SUM value of 878. 1. Acquire SUM value of 878. 1. Copy the version value of the RTS microcomputer to the data buffer. 1. Copy the version value of a the SIGM value value of 878. 1. Copy the version value of the RTS microcomputer to the data buffer. 1. When the recipitation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return permission flag.	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-6] req[13-2-1-6] req[13-2-1-6] req[13-2-1-10] req[13-2-1-10]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of ROM number of RL78  Substitution of RU78 value of RL78  Substitution of RU78 value of RL78  Substitution of RU78 value of RU78  Substitution of RU78 value of RU78  Substitution of RU78 value of RU78  Substitution of RU78  Confirm flag for stopping A/D  acquisition of RU78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RU78	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitution of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Confirm flag for stopping A/D acquisition of RL78  Ton starting SUM value of RL78  Perform transmiscing permission processing for  calculation of SUM value of RL78  Perform transmiscing permission processing for  calculation of SUM value of RL78  Perform completion confirmation end processing  of SUM value calculation of RL78	Check start address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM value Standby count SUM calculation phase value None None	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Loopy the version value to the data buffer. 1. Acquire SUM value of 778. 1. Acquire SUM value of 878. 1. Acquire SUM value of 878. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. Return the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation phase of the SUM value.  1. Finish calculating the sum value.	Base Sum  ROM value  SUM value  Data buffer  None  Sensor MCU SUM value  Data buffer  SUM calculation phase value  SUM calculation phase value  SUM calculation phase value
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-4] req[13-2-1-6] req[13-2-1-7] req[13-2-1-8] req[13-2-1-10] req[13-2-1-10]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of RU78  Substitution of RU78 value of SUM value calculation of RU78  RU78 SUM value calculation processing  Confirm flag for stopping A/D acquisition of RU78 and starting SUM value calculation of RU78 value	Perform ROM value call processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitution of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Confirm flag for stopping A/D acquisition of RL78  Ton starting SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  Perform completion confirmation end processing  of SUM value calculation of RL78  Perform processing for ending waiting for SUM value  calculation of RL78	Check start address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM value SUM calculation phase value SUM calculation phase value None None None	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Loopy the version value to the data buffer. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. If the wast count is greater than 0 at the start, wait, or end of the calculation of the SUM value, the value count is counted down. 1. When the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation phase of the SUM value. 1. Finish calculating the SUM value.	Base Sum  ROM value  SUM value  Data buffer  None  Sensor MCU SUM value  Data buffer  SUM calculation phase value  SUM calculation phase value  SUM calculation phase value
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-6] req[13-2-1-6] req[13-2-1-6] req[13-2-1-10] req[13-2-1-10]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Version value call processing  Substitution of RUR value of RURS  Substitution of SUM value of RURS  Substitution of RURS version number  Interrupt processing of 10 mas of  SUM calculation of RURS  RURS SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RURS and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RURS  RURS SUM value calculation standby  end processing  RURS SUM value calculation standby  end processing	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform version value call processing  Substitute the ROM number of RL78  Substitute the BUM value of RL78  Substitution of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Perform transmission permission processing for  calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing  of SUM value calculation of RL78  Perform RL78  Perform RL78 SUM value calculation of RL78  Perform RL78 SUM value calculation start  confirmation end processing	Check start address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM value SUM calculation phase value SUM calculation phase value None None None None	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Copy the version value to the data buffer. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. If the wat count is greater than of at the start, wait, or end of the calculation of the SUM value, the wait count is counted down. 1. When the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 2. Return permission flag. 1. Return the calculation phase of the SUM value. 1. Finish calculating the SUM value. 1. Stop calculating the SUM value. 1. Stop calculating the SUM value. 1. Wait for calculation of the SUM value.	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value SUM calculation phase value SUM calculation phase value SUM calculation phase value
rea[13-24-12] rea[13-24-13] rea[13-24-14] rea[13-24-16] rea[13-24-16] rea[13-24-16] rea[13-24-10] rea[13-24-11] rea[13-24-11]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of RL78  Substitution of RL78 version number  substitution of RL78 version number  interrupt processing of 10 mase of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation standby  end processing sum  RL78 SUM value calculation standby	Perform ROM check processing  Perform ROM value call processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Ferform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform RL78 SUM value calculation start	Check start address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM value SUM calculation phase value SUM calculation phase value None None None	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Loopy the version value to the data buffer. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. If the wast count is greater than 0 at the start, wait, or end of the calculation of the SUM value, the value count is counted down. 1. When the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation phase of the SUM value. 1. Finish calculating the SUM value.	Base Sum  ROM value  SUM value  Data buffer  None  Sensor MCU SUM value  Data buffer  SUM calculation phase value  SUM calculation phase value  SUM calculation phase value
req[13-2.1-2] req[13-2.1-3] req[13-2.1-4] req[13-2.1-6] req[13-2.1-6] req[13-2.1-6] req[13-2.1-6] req[13-2.1-10] req[13-2.1-11] req[13-2.1-12] req[13-2.1-13]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of RL78  Substitution of RL78 version number  titerrupt processing of 10 masc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation standby  end processing  RL78 SUM value calculation standby  end processing  RL78 SUM value calculation start  confirmation end processing  SUM calculation  of RL78  SUM value calculation start  confirmation end processing	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform version value call processing  Substitute the ROM number of RL78  Substitute the BUM value of RL78  Substitution of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Perform transmission permission processing for  calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing  of SUM value calculation of RL78  Perform RL78  Perform RL78 SUM value calculation of RL78  Perform RL78 SUM value calculation start  confirmation end processing	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer SUM value SUM calculation phase value None None None None None None None Non	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return the ROM value. 1. Return the ROM value. 1. Return the ROM value. 1. Rought the ROM value. 1. Acquire the ROM value of R78. 1. Acquire the ROM number of the R78. 1. Acquire the ROM number of the R78. 1. Acquire the ROM value of R78. 1. Acquire the ROM value of R78. 1. Copy the version value to the data buffer. 1. Howard counts is greater than of at the start, wait, or end of the calculation of the SUM value, the value count is counted down. 1. When the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation phase of the SUM value. 1. Finish calculating the sum value. 1. Stop calculating the SUM value. 1. Wast for calculation of the SUM value. 1. When the calculation of the SUM value is etopped, the standby count is maximized and	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value SUM calculation phase value SUM calculation phase value SUM calculation phase value
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-6] req[13-2-1-6] req[13-2-1-6] req[13-2-1-1] req[13-2-1-1] req[13-2-1-1] req[13-2-1-1] req[13-2-1-1]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RL78 exists number  substitution of RL78 exists number  interrupt processing of 10 mac of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation standby  end processing  SUM calculation start processing  SUM calculation start processing  SUM calculation start processing  of RL78  Address sequisition processing of FRAM  data for main body data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform RL78 SUM value calculation start confirmation end processing of RL78  Perform address section of RL78  Perform address setting of FRAM data for main body data	Check start address Check and address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Standby count SUM calculation phase value None None None None None None None Non	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Acquire SUM value of 7/8. 1. Acquire SUM value of 8/78. 1. Acquire SUM value of 8/78. 1. Acquire SUM value of 8/78. 1. Copy the version value to the fath suffer. 1. Acquire SUM value of 8/78. 1. Copy the version value of the RTS microcomputer to the data buffer. 1. The way to constit it greater than 0 at the start, wait, or end of the calculation of the SUM value, the valid count is counted down. 1. When the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation phase of the SUM value. 1. Finish calculating the SUM value. 1. Stop calculating the SUM value. 1. Wait for calculation of the SUM value. 1. Wait for calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started.	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RL78 eversion number  Interrupt processing of 10 macc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation standby  end processing  SUM value calculation standby  end processing  SUM value calculation standby  end processing  SUM calculation start processing  SUM calculation  of RL78  SUM value calculation start  confirmation end processing  SUM calculation  of RL78  Address setting processing of FRAM  data for main body data  Address a setting processing of  FRAM data for main body data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Ferform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform Tum SUM value calculation start confirmation end processing of RL78  Perform address setting of FRAM data for main body data	Check start address Base Sum None None Data buffer ASCI [5] data pointer of ROM number SUM value Data buffer Standby count SUM value None None None None None None None Non	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Acquire SUM value of 7/8. 1. Copy the version value to the fath suffer. 1. Acquire SUM value of 7/8. 1. Copy the version value of the RT8 microcomputer to the data buffer. 1. However the value of 7/8. 1. Copy the version value of the RT8 microcomputer to the data buffer. 1. If the wat count is greater than of at the start, wast, or end of the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation of the SUM value. 1. Finish calculating the sum value. 1. Stop calculating the SUM value. 1. Wait for calculation of the SUM value. 1. Wait for calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 1. Process address setting of FRAM data for body data.	Base Sum  ROM value SUM value Oata buffer None Samor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RDM number of RL78  Substitution of RL78 version number Interrupt processing of 10 msec of SUM calculation of RL78  RL78 SUM value calculation transmission processing  Confirm flag for stopping A/D acquisition of RL78 and starting SUM calculation  Completion confirmation end  Completion confirmation end  Completion confirmation end  RL78 SUM value calculation start on RL78  RL78 SUM value calculation start processing of RL78  RL78 SUM value calculation start processing of RL78  Address setting processing of FRAM data for main body data  Address acquisition processing of FRAM data for main form alm body data  Address setting processing of FRAM data for main form alm body data  Address setting processing of FRAM data for main calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of BL78  Substitute the SUM value of RL78  Substitution of RL78 version number  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing of  SUM value calculation of RL78  Perform RL78 SUM value of RL78  Perform RL78 SUM value calculation of SUM value  calculation of RL78  Perform processing for ending waiting for SUM value  calculation of RL78  Perform address setting of FRAM data for main  body data  Perform address setting processing of FRAM  data for main body data  Perform address setting processing of concentration  calculation data  Ferform address setting processing of concentration  calculation data	Check start address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer SIMN value Data buffer SIMN value None None None None None None None Non	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Copy the version value to the data buffer. 1. Acquire SUM value of 778. 1. Acquire SUM value of 878. 1. Acquire SUM value of 878. 1. Copy the version value of the RT28 microcomputer to the data buffer. 1. Acquire SUM value of 878. 1. Copy the version value of the RT28 microcomputer to the data buffer. 1. Copy the version value of the RT28 microcomputer to the data buffer. 1. If the wat count is greater than of at the start, wait, or end of the calculation of the SUM value of version of the SUM value. 1. Finish calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation phase of the SUM value. 1. Finish calculating the SUM value. 1. Wait for calculation of the SUM value. 1. Wait for calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 1. Process address of the st_Detector_Info.	Base Sum  ROM value SUM value SUM value Oata buffer None Semor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value Address of st_Detector_Info Address of st_Detector_Info
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RL78 eversion number  Interrupt processing of 10 macc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation standby  end processing  SUM value calculation standby  end processing  SUM value calculation standby  end processing  SUM calculation start processing  SUM calculation  of RL78  SUM value calculation start  confirmation end processing  SUM calculation  of RL78  Address setting processing of FRAM  data for main body data  Address a setting processing of  FRAM data for main body data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Ferform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform Tum SUM value calculation start confirmation end processing of RL78  Perform address setting of FRAM data for main body data	Check start address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM value SUM value SUM value None None None None None None None Non	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Logy the version value to the data buffer. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Cogy the version value of the RL78 microcomputer to the data buffer. 1. Cogy the version value of the RL78 microcomputer to the data buffer. 1. Cogy the version value of the RL78 microcomputer to the data buffer. 1. From the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation of the SUM value. 1. Finish calculating the SUM value. 1. Wait for calculation of the SUM value. 1. Wait for calculation of the SUM value. 1. Wait for calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is stopped. 1. Return the address of the st_Detector_Info. 1. Return the address of the st_Detector_Info. 1. Return the address of the st_Detector_Info. 1. Return and also for concentration calculation. 1. Acquire an alarm point.	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of ROM number of RL78  Substitution of RU78 version number  substitution of RU78 version number  therrupt processing of 10 maps of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM calculation  of RL78  SUM value calculation start  confirmation end  processing  SUM calculation start processing  of RL78  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Processing for setting processing of  concentration calculation data  Processing or setting processing of  FRAM general processing of  concentration calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Ferform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform acquisition of RL78  Perform ACQUIST CALL Value Calculation start confirmation end processing of RL78  Perform address setting of FRAM data for main body data  Perform address setting of FRAM data for main body data  Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM calculation phase value SUM calculation phase value None None None None None Address of FRAM data for body data None Alarm point Calibration concentration value Temperature data at zero point calibration Temperature data at zero point calibration	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Acquire SUM value of 77.8. 1. Acquire SUM value of 77.8. 1. Acquire SUM value of 87.8. 1. Acquire SUM value of 87.8. 1. Copy the version value to the data buffer. 1. Acquire SUM value of 87.8. 1. Copy the version value of the RLT8 microcomputer to the data buffer. 1. Acquire SUM value of 87.8. 1. Copy the version value of the RLT8 microcomputer to the data buffer. 1. From value of 87.8. 1. Copy the version value of the RLT8 microcomputer to the data buffer. 1. From value of 87.8. 1. From value value of 87.8. 1. From value of 87.8.	Base Sum  ROM value SUM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of ROM number of RL78  Substitution of RU78 version number  substitution of RU78 version number  therrupt processing of 10 maps of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM calculation  of RL78  SUM value calculation start  confirmation end  processing  SUM calculation start processing  of RL78  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Processing for setting processing of  concentration calculation data  Processing or setting processing of  FRAM general processing of  concentration calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Ferform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform acquisition of RL78  Perform ACQUIST CALL Value Calculation start confirmation end processing of RL78  Perform address setting of FRAM data for main body data  Perform address setting of FRAM data for main body data  Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standay count SUM calculation phase value None None None None None None None Non	1. Return the SUM value. 1. Calculate the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Acquire the ROM number of the R73. 1. Acquire SUM value of R78. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Copy the version value to the data buffer. 1. Acquire SUM value of R78. 1. Copy the version value of the RIZ microcomputer to the data buffer. 1. However the subtract value of Value value is control to the state, value, or end of the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation of the SUM value. 1. Finish calculating the sum value. 1. When the calculation phase of the SUM value. 1. When the calculation of the SUM value. 1. Finish calculation of the SUM value. 1. Finish calculation of the SUM value. 1. When the calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 1. Finish calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 1. Finish calculation of the SUM value is attacted. 1. Return the address of the st_Detector_Info. 1. Return the address of the st_Detector value. 2. Acquire the CAL concentration value. 3. Acquire the CAL concentration value. 4. Acquire the calculation concentration value. 5. Acquire the calculation concentration va	Base Sum  ROM value SUM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-16]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of ROM number of RL78  Substitution of RU78 version number  substitution of RU78 version number  therrupt processing of 10 maps of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM calculation  of RL78  SUM value calculation start  confirmation end  processing  SUM calculation start processing  of RL78  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Processing for setting processing of  concentration calculation data  Processing or setting processing of  FRAM general processing of  concentration calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Ferform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform acquisition of RL78  Perform ACQUIST CALL Value Calculation start confirmation end processing of RL78  Perform address setting of FRAM data for main body data  Perform address setting of FRAM data for main body data  Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer SSM young SIM calculation phase value SUM calculation phase value None None None None None Alarm point Calibration concentration value Temperature data at zero point calibration Zero coefficient Zero coeffi	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result. 3. Return besceum. 3. Return besceum. 3. Return besceum. 4. Return the SUM value. 5. Return the SUM value. 6. Loop the version value to the data buffer. 6. Loop the version value to the data buffer. 6. Loop the version value to the data buffer. 6. Loop the version value of the RT8. 7. Return the SUM value. 7. Return the SUM value. 8. Loop the version value of the RT8. 9. Loop the version value of the RT8. 9. Loop the version value of the RT8. 9. Loop the version value of the Calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 9. Return permission flag. 9. Return the calculation of the SUM value. 9. Loop the version value of the SUM value. 9. Loop the version value of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 9. Loop the version value of the RT8. 9. Loop the version value of the VERM value is version value. 9. Loop the version value of the RT8. 9. Loop the version value of the	Base Sum  ROM value SUM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-16]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of ROM number of RL78  Substitution of RU78 version number  substitution of RU78 version number  therrupt processing of 10 maps of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM calculation  of RL78  SUM value calculation start  confirmation end  processing  SUM calculation start processing  of RL78  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Processing for setting processing of  concentration calculation data  Processing or setting processing of  FRAM general processing of  concentration calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  SUM value calculation of RL78  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform Perform RL78 SUM value calculation start confirmation end processing of RL78  Perform address setting of FRAM data for main body data  Perform address setting processing of FRAM data for main body data  Perform address setting processing of concentration calculation data	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer SIM Standby count SIM calculation phase value SUM calculation phase value None None None None SUM calculation phase value SIM data start phase value SIM calculation phase value SIM calcul	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result is 0 or more, put that value in the base sum and subtract the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Acquire that ROM number of the R78. 1. Acquire that ROM number of the R78. 1. Acquire that ROM number of the R78. 1. Copy the version value of the RLT8 microcomputer to the data buffer. 1. If the wat count is greater than of at the start, wait, or end of the calculation of the SUM value, the vart count is counted down. 1. When the acticulation of the SUM value is one of activation, standby, and end, turn on the permission flag. 2. Return permission flag. 1. Return the calculation phase of the SUM value. 1. Stop calculating the sum value. 1. Wast for calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 1. When the acticulation of the SUM value is started. 1. Return the address of the st_Detector_Info. 1. Return the address of the SUM value is started. 1. Return the address of the SUM value is started. 1. Return the address of the SUM value is started. 1. Return the address of the SUM value is started. 1. Return data for concentration calculation. 1. Acquire the calibration concentration value. 3. Acquire the CAL concentration value. 4. Acquire the calibration concentration value. 5. Acquire the measurement gas to per group. 6. Obtain zero coefficients. 6. Obtain zero coefficients. 6. Obtain zero coefficients. 6. Acquire the measurement gas bye group.	Base Sum  ROM value SUM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-15]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of ROM number of RL78  Substitution of RU78 version number  substitution of RU78 version number  therrupt processing of 10 maps of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM value calculation start  confirmation end  processing  SUM calculation  of RL78  SUM value calculation start  confirmation end  processing  SUM calculation start processing  of RL78  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Address acquisition processing of  FRAM data for main body data  Processing for setting processing of  concentration calculation data  Processing or setting processing of  FRAM general processing of  concentration calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  SUM value calculation of RL78  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform Perform RL78 SUM value calculation start confirmation end processing of RL78  Perform address setting of FRAM data for main body data  Perform address setting processing of FRAM data for main body data  Perform address setting processing of concentration calculation data	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer SSM young SIM calculation phase value SUM calculation phase value None None None None None Alarm point Calibration concentration value Temperature data at zero point calibration Zero coefficient Zero coeffi	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Copy the version value to the data buffer. 1. Acquire SUM value of R78. 1. Copy the version value of the RT8 microcomputer to the data buffer. 1. Copy the version value of the RT8 microcomputer to the data buffer. 1. Copy the version value of the RT8 microcomputer to the data buffer. 1. However the value of R78. 2. Return permission flag. 2. Return permission flag. 3. Return the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 4. Return the calculation of the SUM value. 4. Wait for calculation of the SUM value. 4. Wait for calculation of the SUM value. 4. When the calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 4. Return the address of the sUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 4. Return the address of the sUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 5. Acquire the calibration concentration value. 6. Acquire the calibration concentration value. 7. Acquire the measurement date and time. 7. Acquire calculation curve number. 7. Acquire calcula	Base Sum  ROM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-15]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of ROM number of RL78  Substitution of RDM number of RL78  Substitution of RL78 version number interrupt processing of 10 msec of SUM value calculation of RL78  RL78 SUM value calculation transmission processing of 10 msec of SUM calculation of RL78  RL78 SUM value calculation transmission processing of Confirm flag for stopping A/D acquisition of RL78 and starting SUM calculation of RL78 and starting SUM calculation of RL78 and starting SUM value calculation of RL78  RL78 SUM value calculation start on the RL78 confirmation and processing of RL78  Address setting processing of FRAM data for main body data  Address acquisition processing of FRAM data for main calculation data for main calculation data for main calculation data Processing for setting gas data of nonvolatile memory	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Substitute the SUM value of RL78  Perform interrupt processing of 10 msec of SUM calculation of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform RL78 SUM value calculation start confirmation end processing  Perrom SUM calculation of RL78  Perform address setting of FRAM data for main body data  Perform address acquisition processing of FRAM data for main body data  Perform saddress setting processing of concentration calculation data  Perform saddress setting processing of concentration calculation data  Perform setting process of gas data of nonvolatile memory	Check start address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer SIM Standby count SUM value SUM value SUM calculation phase value SUM calculation phase value None None None None None Alarm point Calibration concentration value Temperature data at zero point calibration Zero coefficient Service value Sum calculation phase value Standby count Address of FRAM data for body data None Standby count Address of FRAM data for body data Sum point Calibration concentration value Temperature data at zero point calibration Zero coefficient Service value Service value Service value Service value Sum of the value Sum	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result is 0 or more, put that value in the base sum and subtract the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Acquire that ROM number of the R78. 1. Acquire that ROM number of the R78. 1. Acquire that ROM number of the R78. 1. Copy the version value of the RLT8 microcomputer to the data buffer. 1. If the wat count is greater than of at the start, wait, or end of the calculation of the SUM value, the vart count is counted down. 1. When the acticulation of the SUM value is one of activation, standby, and end, turn on the permission flag. 2. Return permission flag. 1. Return the calculation phase of the SUM value. 1. Stop calculating the sum value. 1. Wast for calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 1. When the acticulation of the SUM value is started. 1. Return the address of the st_Detector_Info. 1. Return the address of the SUM value is started. 1. Return the address of the SUM value is started. 1. Return the address of the SUM value is started. 1. Return the address of the SUM value is started. 1. Return data for concentration calculation. 1. Acquire the calibration concentration value. 3. Acquire the CAL concentration value. 4. Acquire the calibration concentration value. 5. Acquire the measurement gas to per group. 6. Obtain zero coefficients. 6. Obtain zero coefficients. 6. Obtain zero coefficients. 6. Acquire the measurement gas bye group.	Base Sum  ROM value SUM value SUM value Oasta buffer None Sensor MCU SUM value Data buffer Sonsor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value Calculation phase value SUM calculation phase value Calculation phase value SUM calculation phase value SUM calculation phase value SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-15]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RU78 wersion number interrupt processing of 10 macc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  Address setting start processing  of RL78  Address setting processing of  FRAM data for main body data  Address availation processing of  FRAM data for main body data  Address value processing of  concentration calculation data  Processing for setting pas data of  nonvolatile memory  Gas data setting processing of	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform address settlem processing of RL78  Perform address settlem of FRAM data for main body data  Perform address settling processing of FRAM data for main body data  Perform address settling processing of calculation data  Perform address settling processing of calculation data  Perform address settling processing of concentration calculation data  Perform address adjustion processing of perform address and processing performance and processing performan	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM calculation phase value SUM calculation phase value None None None None None None Address of FRAM data for body data None None SUM calculation phase value Sundby count Standby count None Company or the sum of th	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Acquire the ROM number of the R78. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire SUM value of R78. 1. Copy the version value to the data buffer. 1. Acquire SUM value of R78. 1. Copy the version value of the RIZ® microcomputer to the data buffer. 1. However the ROM number of the R78. 1. Copy the version value of the RIZ® microcomputer to the data buffer. 1. However the ROM number of the RIZ® microcomputer to the data buffer. 1. Fif the wast count is greater than 0 at the start, wait, or end of the calculation of the SUM value is counted down. 1. When the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 1. Return the calculation phase of the SUM value. 1. Finish calculating the SUM value. 1. Wait for calculation of the SUM value. 1. When the calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 1. Process address setting of FRAM data for body data. 1. Return the address of the st_Detector_Info. 1. Acquire the calculation of replacement date and time. 2. Acquire the calculation of replacement date and time. 3. Acquire the measurement gas type group. 11. Acquire concentration value. 3. Acquire the measurement gas type group. 11. Acquire the measurement gas type group. 11. Acquire concentration calculation value. 3. Acquire the measurement gas type group. 3. Acquire the measurement gas type group. 4. Acquire the measurement gas type group. 5. Acquire the measurement gas type group. 5. Acquire the measurement gas type group. 6. Acquire the measurement gas type group. 7. Acquire the measurement gas type group. 7. Acquire the measurement gas type group. 8. Acquire th	Base Sum  ROM value SUM value SUM value Data buffer None Sener MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-15]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RU78 wersion number interrupt processing of 10 macc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  Address setting start processing  of RL78  Address setting processing of  FRAM data for main body data  Address availation processing of  FRAM data for main body data  Address value processing of  concentration calculation data  Processing for setting pas data of  nonvolatile memory  Gas data setting processing of	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform address settlem processing of RL78  Perform address settlem of FRAM data for main body data  Perform address settling processing of FRAM data for main body data  Perform address settling processing of calculation data  Perform address settling processing of calculation data  Perform address settling processing of concentration calculation data  Perform address adjustion processing of perform address and processing performance and processing performan	Check start address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Start of the star	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result. 3. Return besetum. 3. Return bestewn. 3. Return bestewn. 4. Return the SUM value. 4. Return the SUM value. 5. Copy the version value to the data buffer. 6. Locy the version value to the data buffer. 6. Acquire the ROM number of the R78. 7. Acquire SUM value of R78. 8. Copy the version value of the R18 microcomputer to the data buffer. 8. Acquire the ROM number of the R78. 8. Copy the version value of the R18 microcomputer to the data buffer. 9. Locy the version value of the R18 microcomputer to the data buffer. 9. Locy the version value of the R18 microcomputer to the data buffer. 9. Locy the version value of the R18 microcomputer to the data buffer. 9. Lift the wait count is greater than of at the start, wait, or end of the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 9. Return permission flag. 9. Return the calculation of the SUM value is end of activation, standby, and end, turn on the permission flag. 9. Return the calculation phase of the SUM value. 9. Finish calculating the sum value. 9. Supplies the sum value. 9. When the calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 9. Notice the calculation of the SUM value is started. 9. Return the address of the st_Detector_Info. 9. Acquire the calibration concentration value. 9. Acquire the calibration concentration value. 9. Acquire the calibration concentration value. 9. Acquire the measurement gas type group. 11. Acquire the same accomment date and time. 9. Acquire the measurement gas by gery opport calibration. 9. Acquire the measurement gas by gery group. 11. Acquire unit and minimum values of span coefficients. 12. Acquire unit and minimum values of the zero coefficient. 13. Acquire the calculation.	Base Sum  ROM value SUM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-13] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RU78 wersion number interrupt processing of 10 macc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  Address setting start processing  of RL78  Address setting processing of  FRAM data for main body data  Address availation processing of  FRAM data for main body data  Address value processing of  concentration calculation data  Processing for setting pas data of  nonvolatile memory  Gas data setting processing of	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform address settlem processing of RL78  Perform address settlem of FRAM data for main body data  Perform address settling processing of FRAM data for main body data  Perform address settling processing of calculation data  Perform address settling processing of calculation data  Perform address settling processing of concentration calculation data  Perform address adjustion processing of perform address and processing performance and processing performan	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer SIM value SIM value SIM calculation phase value SUM calculation phase value None None None None None Alarm point Calibration concentration value Temperature data at zero point calibration Sensor exchange data at zero point calibration Sensor exchange data at sero point calibration Sensor exchange data at zero point calibration Carlo concentration can usue Temperature data at zero point calibration Sensor exchange data at zero point calibration Carlo calibration curve number Measurement gas type group Concentration calculation value Gas setting Digit SPAN coefficient SPAN coefficient SPAN coefficient	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Rought is 1. Acquire the ROM number of the R78. 1. Copy the version value of the RLT8 microcomputer to the data buffer. 1. If the wat count is greater than of a the start, wait, or end of the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 2. Return permission flag. 2. Return permission flag. 3. Return the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 4. Ferturn the calculation of the SUM value. 5. Stop calculating the sum value. 6. What for calculation of the SUM value. 6. What for calculation of the SUM value is standed. 7. Return the address of the SUM value is standed. 8. Return the address of the SUM value is standed. 9. Process address settling of FRAM data for body data. 9. Return the address of the SUM value is standed. 9. Acquire the calibration concentration value. 9. Acquire the calibration concentration value. 9. Acquire the calibration concentration value. 9. Acquire the measurement gas bye group. 11. Acquire an alarm point. 12. Acquire the calibration calculation value. 13. Acquire the calibration concentration value. 14. Acquire measurement gas bye group. 15. Acquire the measurement and minimum value of the concentration. 16. Acquire the measurement and minimum value of the Concentration. 17. Acquire the measurement and minimum value of the concentration. 18. Acquire the measurement and minimum value of the concentration. 18. Acquire the measurement and minimum value of the concentration. 18. Acquire the measurement an	Base Sum  ROM value SUM value SUM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value Sum codificient phase value Sum point calculation calculation Calibration curve number Measurement gas tipe group Concentration calculation value Digit r SPAN coefficient Zero coefficient Zero coefficient Zero coefficient
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-13] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RU78 wersion number interrupt processing of 10 macc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  Address setting start processing  of RL78  Address setting processing of  FRAM data for main body data  Address availation processing of  FRAM data for main body data  Address value processing of  concentration calculation data  Processing for setting pas data of  nonvolatile memory  Gas data setting processing of	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform address settlem processing of RL78  Perform address settlem of FRAM data for main body data  Perform address settling processing of FRAM data for main body data  Perform address settling processing of calculation data  Perform address settling processing of calculation data  Perform address settling processing of concentration calculation data  Perform address adjustion processing of perform address and processing performance and processing performan	Check start address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Start of the star	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return the SUM value. 4. Return the SUM value. 5. Return the SUM value. 6. Loopy the version value to the data buffer. 6. Loopy the version value to the data buffer. 7. Acquire the ROM number of the R78. 7. Acquire the ROM number of the R78. 8. Loopy the version value of the RLT8 microcomputer to the data buffer. 8. Loopy the version value of the RLT8 microcomputer to the data buffer. 9. Loopy the version value of the RLT8 microcomputer to the data buffer. 9. Loopy the version value of the RLT8 microcomputer to the data buffer. 9. Loopy the version value of the RLT8 microcomputer to the data buffer. 9. Loopy the version value of the RLT8 microcomputer to the data buffer. 9. Loopy the version value of the RLT8 microcomputer to the data buffer. 9. Loopy the version value of the RLT8 microcomputer to the data buffer. 9. Loopy the version value of the RLT8 microcomputer to the data buffer. 9. Return permission flag. 9. Return permission flag. 9. Return permission flag. 9. Return permission flag. 9. Return the calculation of the SUM value. 9. Stop calculating the sum value. 9. Stop calculating the sum value. 9. Stop calculating the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 9. Process address setting of FRAM data for body data. 9. Return the address setting of FRAM data for body data. 9. Return the address of the st_Detector_Info. 9. Acquire the calibration concentration value. 9. Acquire the address of the st_Detector_Info. 9. Acquire the measurement gate by group. 9. Acquire the measurement gate by group. 9. Acquire the measurement and minimum values of span coefficients. 9. Acquire the measurement and minimum values of span coefficients. 9. Acquire the measurement and minimum value of concentration. 9. Acquire the measurement and minimum va	Base Sum  ROM value SUM value SUM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value SUM calculation phase valu
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-6] req[13-2-1-6] req[13-2-1-1] req[13-2-1-10] req[13-2-1-10] req[13-2-1-12] req[13-2-1-13] req[13-2-1-14] req[13-2-1-14] req[13-2-1-15] req[13-2-1-15] req[13-2-1-16] req[13-2-1-16] req[13-2-1-16] req[13-2-1-16] req[13-2-1-16] req[13-2-1-16] req[13-2-1-16] req[13-2-1-16]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RU78 version number interrupt processing of RU78 version number interrupt processing of 10 mace of  SUM calculation of RL78  RL78 SUM value calculation transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end processing of SUM value calculation of RL78  RL78 SUM value calculation start confirmation end processing  SUM calculations start processing  SUM calculation start processing  SUM calculation start processing  SUM calculation start processing  SUM calculation start processing of RL78  SUM calculation start processing of RL78  FRAM data for main body data Address setting processing of  FRAM data soft main body data Address are starting processing of  FRAM data for main body data  Address a setting processing of  FRAM data soft main body data  Address a setting processing of  concentration calculation data  Processing for setting gas data of  nonvolatile memory  Address setting processing of  Concentration calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform address setting processing of RL78  Perform address setting of FRAM data for main body data  Perform address setting processing of calculation data  Perform address setting processing of concentration calculation data  Perform address acquisition processing of concentration calculation data  Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data setting processing of concentration calculation data	Check start address Base Sum None None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Start of the	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base sum and subtract the difference result. 3. Return the SUM value. 1. Return the SUM value. 1. Return the SUM value. 1. Return the FOM value of R78. 1. Acquire the ROM number of the R78. 1. Acquire the ROM number of the R78. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire the ROM number of the R78. 1. Copy the version value to the data buffer. 1. Acquire SUM value of R78. 1. Copy the version value of the R178 microcomputer to the data buffer. 1. However the version value of the RTS in the value of R78. 2. If the wat count is greater than of a the start, wait, or end of the calculation of the SUM value is counted down. 1. When the calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 2. Return permission flag. 3. Return the calculation of the SUM value. 4. Finish calculating the sum value. 4. Wait for calculation of the SUM value. 5. Value to calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 6. Return the address of the st_Detector_Info. 7. Return the address of the st_Detector_Info. 8. Acquire the CAL concentration value. 9. Acquire the calculation concentration value. 9. Acquire the calculation concentration value. 9. Acquire the mastimation concentration value. 9. Acquire the mas	Base Sum  ROM value SUM value SUM value SUM value Data buffer None Sensor MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value Sum codificient phase value Sum point calculation calculation Calibration curve number Measurement gas tipe group Concentration calculation value Digit r SPAN coefficient Zero coefficient Zero coefficient Zero coefficient
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-13] req[13-21-14] req[13-21-15] req[13-21-15] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16] req[13-21-16]	ROM check processing  ROM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RU78 version number  substitution of RU78 version number  interrupt processing of 10 macc of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end  processing of SUM value calculation  of RL78  RL78 SUM value calculation start  confirmation end  processing SUM value calculation  of RL78  SUM value calculation stard  of RL78  SUM value calculation  of RL78  SUM calculation  of RL78  SUM calculation  of RL78  FL78 SUM value calculation  of RL78  SUM calculation  of RL78  FL78 SUM value calculation  of RL78  FL78 SUM value calculation  of RL78  FL78 SUM value calculation  of RL78  SUM calculation  of RL78  FL78 SUM value calculation  of RL78  SUM calculation  of RL78  SUM calculation  of RL78  Gas data setting processing of  concentration calculation data  Processing for setting gas data of  nonvolatile memory  Address setting processing of  concentration calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Perform transmission permission processing for  calculation of RU78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  SUM value calculation of RU78  Perform processing for ending waiting for SUM value  calculation of RU78  Perform RL78 SUM value calculation start or accordance of the substitute of RU78  Perform RL78 SUM value calculation start processing of RL78  Perform address setting of FRAM data for main body data  Perform address setting of FRAM data for main body data  Perform address setting of FRAM data for main body data  Perform setting processing of concentration calculation data  Perform setting process of gas data of nonvolatile memory  perform gas data setting processing of concentration calculation data	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM calculation phase value SUM calculation phase value None None None None None None None Address of FRAM data for body data None None Calibration concentration value Temperature data at zero point calibration Span coefficient AIR coefficient AIR coefficient AIR coefficient AIR coefficient AIR coefficient Carco coefficient AIR coefficient AIR coefficient AIR coefficient AIR coefficient Unit decimal point position	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return the SUM value. 4. Return the SUM value. 5. Return the SUM value. 6. Loopy the version value to the data buffer. 6. Acquire the ROM number of the R78. 6. Acquire the ROM number of the R78. 6. Acquire the ROM number of the R78. 6. Acquire the ROM value of R78. 6. Loopy the version value to the data buffer. 7. In Acquire SUM value of R78. 7. In Acquire SUM value of R78. 7. Return the SUM value of R78. 7. In the wax counts ig seater than of at the start, wait, or end of the calculation of the SUM value value of value of value value value value value value. 7. Finish calculation of the SUM value is one of activation, standby, and end, turn on the permission flag. 7. Return the calculation of the SUM value. 7. Finish calculating the sum value. 7. Stop calculating the sum value. 7. Stop calculating the sum value. 7. Wat for calculation of the SUM value is stanted. 7. Process address setting of FRAM data for body data. 7. Return the address of the SUM value is started. 7. Return the address of the SUM value. 7. Return the address of the SUM value is data value. 7. Acquire the calculation of the SUM value is started. 8. Return the address of the SUM value is started. 9. Acquire the calculation of the SUM value. 9. Acquire the calculation calculation. 9. Acquire the measurement gas bye group. 9. Acquire the measurement gas bye group. 9. Acquire the measurement gas bye group. 9. Acquire the measurement and minimum values of span coefficients. 9. Acquire the measurement and minimum value of the carculation. 9. Acquire the measurement and minimum value of the coefficients. 9. Acquire the measurement and minimum value of the carculation. 9. Acquire the measurement and minimum value of the carculation. 9. Acquire the measurement and minimum value of the carculation. 9. Acquire the measurement and minimum	Base Sum  ROM value SUM value Data buffer None Seneror MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value SUM calculation p
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-1] req[13-21-1] req[13-21-12] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-16] req[13-21-16]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of RUP substitution of RUPs  Substitution of RUP version number  Interrupt processing of 10 msec of  SUM value calculation  Transmission permission processing  Confirm flag for stopping A/D  acquisition of RUPs are single starting SUM  calculation  Completion confirmation end pricessing of SUM value calculation  Completion confirmation end processing of SUM value calculation  RUPs SUM value calculation start processing of SUM value calculation  RUPs SUM value calculation start processing of RUPs  RUPs SUM value calculation start processing of RUPs  Address setting processing of FRAM data for main body data  Address setting processing of concentration calculation data  Processing for setting gas data of nonvolatile memory  Gas data setting processing of concentration calculation data  Processing for setting gas data of nonvolatile memory  Address setting processing of concentration calculation data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Substitute the SUM value of RL78  Perform interrupt processing of 10 msec of SUM  calculation of RL78  Perform transmission permission processing for  calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  SUM value calculation of RL78  Perform processing for ending waiting for SUM value  calculation of RL78  Perform RL78 SUM value calculation start  confirmation and processing  Perorm SUM calculation start processing of RL78  Perform address setting of FRAM data for main body data  Perform address setting of FRAM data for main body data  Perform address setting processing of concentration  calculation data  Perform setting process of gas data of nonvolatile  memory  Perform gas data setting processing of concentration  calculation data  Perform setting process of gas data of nonvolatile  perform gas data setting processing of main unit  status data	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Standby count SUM value Data buffer Standby count SUM calculation phase value SUM calculation phase value None None None None None None None Non	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return the SUM value. 1. Acquire the ROM number of the R78. 1. Acquire the ROM number of the R78. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Copy the version value to the data buffer. 1. Acquire SUM value of R78. 1. Copy the version value of the RTS microcomputer to the data buffer. 1. However the sum of the RTS in the value of the RTS the value of R78. 1. Copy the version value of the RTS in the value of the RTS the value of R78. 1. Return the calculation of the SUM value is counted down. 1. When the calculation of the SUM value. 1. Finish calculating the sum value. 1. Stop calculating the SUM value. 1. Wait for calculation of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 1. Process address of the st_Detector_Info. 1. Return the address of the st_Detector_Info. 1. Return the address of the st_Detector_Info. 1. Return the address of the st_Detector_Info. 1. Acquire the CAL concentration value. 3. Acquire the calculation concentration value. 4. Acquire the calculation concentration value. 5. Acquire the maximum and minimum values of span coefficients. 6. Acquire the maximum and minimum values of span coefficients. 7. Acquire the maximum and minimum value of the coefficients. 7. Acquire the maximum and minimum value of the coefficients. 7. Acquire the maximum and minimum value of the coefficients. 7. Acquire the maximum and minimum value of the coefficients. 7. Acquire the maximum and minimum value of the coefficients. 7. Acquire the maximum and minimum value of the coefficients. 7. Acquire the maximum and minimum value of the coefficients. 7. Acquire the maximum and minimum value of the coefficients. 7. Acquire th	Base Sum  ROM value SUM value SUM value Data buffer None Seneror MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value SUM cal
req[13-21-2] req[13-21-3] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-11] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-16] req[13-21-16] req[13-31-6] req[13-31-6]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of RUP version number interrupt processing of 10 maec of SUM value calculation of RUP substitution of RUP version of RUP acquisition of RUP substitution of RUP version of RUP acquisition of RUP version of RUP version of RUP version ve	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Ferform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform address settlem processing of RL78  Perform address settlem processing of FRAM data for main body data  Perform address settling processing of calculation data  Perform address acquisition processing of calculation data  Perform address acquisition processing of concentration calculation data  Perform address acquisition processing of concentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data	Check start address Check and address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer SUM value Data buffer SUM value SUM value SUM value SUM value None None None None None None None Alarm point Calibration phase value Standby count Standby count None None SUM calculation phase value SUM calculation phase value SUM calculation phase value SUM calculation phase value Sum caption Sum value Standby count Address of FRAM data for body data None None Alarm point Calibration concentration value Temperature data at zero point calibration Zero coefficient Sensor exchange date and time Measurement gas bye group Concentration calculation value Gas setting Digit SPAN coefficient Alik Coefficient Unit decimal point position None	1. Return the SUM value. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return basesum. 1. Return the SUM value. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Acquire the ROM number of the R78. 1. Acquire SUM value of R78. 1. Copy the version value to the data buffer. 1. Acquire the ROM number of the R78 microcomputer to the data buffer. 1. Acquire SUM value of R78. 1. Copy the version value of the RT8 microcomputer to the data buffer. 1. However the version value of the RT8 microcomputer to the data buffer. 1. However the version value of the RT8 microcomputer to the data buffer. 1. However the version value of the RT8 microcomputer to the data buffer. 1. However the version value of the RT8 microcomputer to the data buffer. 1. However the version value of the RT8 microcomputer to the data buffer. 1. When the calculation of the SUM value is counted down. 1. When the calculation of the SUM value. 1. Stop calculating the sum value. 1. Wait for calculation of the SUM value. 1. Wait for calculation of the SUM value is started. 1. Process address of the SUM value is started. 1. Process address setting of FRAM data for body data. 1. Return the address of the st_Detector_Info. 1. Acquire the CAL concentration value. 2. Acquire the calculation concentration value. 3. Acquire the databilities of the started of the started of the calculation of the SUM value is started. 3. Acquire the databilities of the started of the started of the calculation of the SUM value is started. 4. Acquire the calculation of the SUM value is started. 5. Acquire the maximum and minimum value of the recentration calculation data. 5. Acquire the maximum and minimum value of the recentration calculation data. 6. Acquire the maximum and minimum value of the recentration calculation data. 6. Acquire the m	Base Sum  ROM value SUM value Data buffer None Sener MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value Digit r SUM calculation concentration value Digit r SPAN coefficient Alf Coefficient Zero coefficient Zero coefficient Unit / decimal point position  Gas data address
req[13-21-2] req[13-21-4] req[13-21-4] req[13-21-6] req[13-21-6] req[13-21-6] req[13-21-10] req[13-21-10] req[13-21-11] req[13-21-12] req[13-21-13] req[13-21-13] req[13-21-14] req[13-21-14] req[13-21-14] req[13-21-15] req[13-21-15] req[13-3-1-1] req[13-3-1-1] req[13-3-1-1] req[13-3-1-1] req[13-3-1-1] req[13-3-1-1] req[13-3-1-1]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Substitution of ROM number of RL78  Substitution of RUM value of RL78  Substitution of RUM value of RUM  Substitution of RUM value of RUM  SUM calculation of RUM value calculation  Interrupt processing of 10 mase of  SUM calculation of RUM  RUM value calculation of RUM  Completion confirmation end  processing SUM value calculation  Completion confirmation end  processing SUM value calculation  of RUM  RUM value calculation starting SUM  calculation  of RUM  RUM value calculation starting SUM  calculation  of RUM  RUM value calculation starting SUM  calculation  of RUM  AUM value calculation starting SUM  value calculation and processing  SUM value calculation of RUM  Aud value calculation start processing  of RUM  value calculation start processing  of concentration calculation data  Address setting processing of  concentration calculation data  Acquisition of address of gas data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitution RT278 version number  Perform interrupt processing of 10 msec of SUM  accludation of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Perform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform SUM value calculation start confirmation end processing of Perform processing of Perform processing of Perform SUM value calculation start processing of Perform Address setting of Perform Address setting of Perform Address setting processing of Perform address setting processing of concentration calculation data  Perform address setting processing of concentration calculation data  Perform address setting processing of main unit status data  Acquire the address setting processing of PRAM data for processing of the perform address setting processing of PRAM data for processing of perform address setting processing of processing of perform address setting processing of PRAM data for gas data  Request the start of a RAM check	Check start address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Sland value  None None None None None None None No	1. Return the SUM value. 2. If the difference between the check end address and the check start address. 2. If the difference result. 3. Return the SUM value. 3. Return the SUM value. 4. Return the SUM value. 5. Return the SUM value. 6. Loop the version value to the data buffer. 6. Loop the version value to the data buffer. 6. Loop the version value to the data buffer. 6. Loop the version value of the RT8. 6. Loop the version value of the RT8. 7. Return the SUM value. 7. Return the SUM value. 7. Loop the version value of the RT8. 8. Loop the version value of the RT8. 9. Return permission flag. 1. Return the calculation phase of the SUM value. 9. Suppose the version value of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 9. Loop the version value of the RT8. 9. Loop the version value of the RT8. 9. Acquire the value	Base Sum  ROM value SUM value SUM value Data buffer None Sener MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value SUM calcu
req[13-2-1-2] req[13-2-1-3] req[13-2-1-4] req[13-2-1-6] req[13-2-1-6] req[13-2-1-1]	ROM check processing  ROM value call processing  SUM value call processing  SUM value call processing  Version value call processing  Substitution of ROM number of RL78  Substitution of RU78 eversion number interrupt processing of RU78 eversion number interrupt processing of 10 mace of  SUM calculation of RL78  RL78 SUM value calculation  transmission permission processing  Confirm flag for stopping A/D  acquisition of RL78 and starting SUM  calculation  Completion confirmation end processing of SUM value calculation of RL78  RL78 SUM value calculation start  confirmation end processing  SUM calculations start processing  SUM calculation start processing  SUM calculation start processing  SUM calculation start processing  of RL78  SUM calculation start processing  of RL78  SUM calculation start processing  of RL78  FRAM data for main body data  Address setting processing of concentration calculation data  Processing for setting gas data of  nonvolatile memory  Address setting processing of  Cancentration calculation data  Address setting processing of  Concentration calculation data  Address setting processing of main  unit status data  Address setting processing of main  and calculation of address of gas data  Address setting processing of FRAM  data for gas data	Perform ROM check processing  Perform ROM value call processing  Perform SUM value call processing  Perform SUM value call processing  Perform SUM value call processing  Substitute the ROM number of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Substitute the SUM value of RL78  Perform transmission permission processing for calculation of SUM value of RL78  Confirm flag for stopping A/D acquisition of RL78  and starting SUM calculation  Ferform completion confirmation end processing of SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform processing for ending waiting for SUM value calculation of RL78  Perform address settlem processing of RL78  Perform address settlem processing of FRAM data for main body data  Perform address settling processing of calculation data  Perform address acquisition processing of calculation data  Perform address acquisition processing of concentration calculation data  Perform address acquisition processing of concentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data  Perform address setting processing of FRAM data for noncentration calculation data	Check start address Base Sum None Data buffer ASCII [5] data pointer of ROM number SUM value Data buffer Sland value  None None None None None None None No	1. Return the SUM value. 2. If the difference result is 0 or more, put that value in the base surn and subtract the difference result is 0 or more, put that value in the base surn and subtract the difference result. 3. Return the SUM value. 1. Acquire the ROM number of the R78. 1. Copy the version value to the data buffer. 1. Acquire sum value of R78. 1. Copy the version value of the RL78 microcomputer to the data buffer. 1. He was to count is greater than of a the start, walt, or end of the calculation of the SUM value, the value of R78. 2. Return permission flag. 2. Return permission flag. 3. Return the calculation of the SUM value is ene of activation, standby, and end, turn on the permission flag. 3. Return the calculation of the SUM value. 3. Finish calculating the sum value. 4. Solid value of R78. 5. Solid value of R78. 6. Solid value of R78. 6. Return the calculation of the SUM value. 6. Return the address of the SUM value is stopped, the standby count is maximized and the calculation of the SUM value is started. 6. Process address setting of FRAM data for body data. 6. Return the address of the st_Detector_Info. 6. Return the address of the st_Detector_Info. 6. Acquire the calibration concentration value. 6. Acquire the calibration concentration value. 6. Acquire the admress of the st_Detector_Info. 6. Obtain zero coefficients. 7. Acquire the saminum and minimum values of span coefficients. 8. Acquire the Calibration concentration value. 9. Acquire the maximum and minimum values of span coefficients. 9. Acquire the maximum and minimum values of span coefficients. 9. Acquire the maximum and minimum values of span coefficients. 9. Acquire the maximum and minimum values of span coefficients. 9. Acquire the maximum and minimum value of concentration. 9. Acquire the maximum and minimum value of the zero coefficients. 9. A	Base Sum  ROM value SUM value Data buffer None Sener MCU SUM value Data buffer SUM calculation phase value Judgment result SUM calculation phase value SUM calculation pha

	RAM check process (main MCU)	Check RAM		1. Initialize the CUTPLT value with "Stop" 2. If the RAM check phase is process and; perform the following processes 9 to 10.  3. If the RAM check phase is the "save sare", perform the following processes 11 to 16.  4. If the RAM check phase is the "save sare", perform the following processes 7 to 23.  5. If the RAM check phase is "save sare", perform the following processes 24-25.  5. If the RAM check phase is "processing failure", perform the following processes 3. To 33.  8. If the RAM check phase is "processing failure", perform the following processes 3. To 33.  8. If the RAM check phase is "processing failure", perform the following processes 3. To 33.  9. Initialize the netry counter to 0 and set the RAM check phase to "save area".  10. Set the GAM check phase is "processing failed"  12. Set the RAM check phase to "Processing failed"  13. If the result of process 11 is successful, perform the following processes 14 to 15.  14. Perform "Check starget RAM check phisale to "processing failed"  15. Set the GAM check phase to "processing failed"  15. Set the GAM check phase to "processing failed"  15. Set the RAM check phase in "processing failed"  15. Set the GAM check phase to "processing failed"  15. Set the GAM check phase to "processing failed"  15. Set the GAM check phase to "main area"	Check result
req[13-3-2-3]				16. Set the OUTPUT value to 'Running' 17. Perform 'man RAM' check processing' in the main area 18. If the result of process 16 is auccessful, perform the following processes 20 to 21. 18. If the result of process 16 is auccessful, perform the following process 22. 29. Perform 'Check target RAM check institutation process' in the stack area 21. Set the RAM check phases to 'facult area' 23. Set the RAM check phases to 'facult area' 23. Set the OUTPUT value to 'fauning' 23. Set the OUTPUT value to 'fauning' 24. Perform 'man RAM' check processing failed' 25. Extra the RAM check phases to 'Successing' of the stack area' 27. Set the RAM check phases to 'Successful processing' and the fallowing process 27. 28. If the result of process 24 is neither process 25 nor calculation, perform the following process 28. 28. Set the RAM check phase to 'Successful processing' and set the OUTPUT value to 'Normat' 25. Set the RAM check phase to 'Successful processing and set the OUTPUT value to 'Normat' 25. Set the RAM check phase to 'Successful processing' and set the OUTPUT value to 'Normat' 26. Set the OUTPUT value to 'in progressing' and set the OUTPUT value to 'Normat' 27. Add 1 to the retry counter, and if the value of the terry outerte is 3 or more, perform the following	
				process 33. 33. Set the RAM check phase to "Stop processing" and set the OUTPUT value to "Failed"	
req[13-3-2-4]	Check target RAM check initialization process (main MCU)	Set the start address for RAM check	Target area	34. Set the RAM check phase to "Stop processing"  1. Set the start address (main area: 0x00000004, stack area 0x0000EB00)	None
req[13-3-2-5]	Main RAM check process (main MCU)			1. Substitute the start address for the check address 2. Set OUTPIT in "Numing" 3. Perform the following processes 4 to 14 for 32 bytes 4. Disable interrupts 5. Write the check address data to the save memory 6. Write 0x55 to the check address data 1 7. Write the check address data 1 7. Write the check address data 1 8. Write 0x34 to the check address data 9. Write the check address data 1 9. Write the check address data 1 10. Write the data in the save memory to the data in the check address 11. Allow interrupts 11. Allow interrupts 12. Add 1 to the check address 13. If continnation buffer 1 is other than 0x55 or confirmation buffer 2 is other than 0xAA, 14. Set OUTPUT 10 "Failure" and exit loop processing 3. 15. Add 32 to the starting address 16. When the start address reaches the end of the RAM to be confirmed, the following process 71 is executed, (Main area: 0x000x6000), Stack area 0x0000FFF)	Check result
req[13-3-2-6]	Evacuation RAM check process (main MCU)	Check the backup RAM area used when checking RAM		1. Initiatize OUTPUT with "Failure" 2. Set the start address of the backup RAM in the check address 3. Write 0x55 for 16 bytes to the check address data 4. Check if the check address data 168yte is 0x565 5. Write 0xAA for 16 bytes to the check address data 6. Check if the check address data 168yte is 0xAA 7. It both process 4 and process 6 above match, set OUTPUT to "success"	Check result
req[13-3-2-7]	Self-diagnosis start processing every 24 hours (sensor MCU)	Counts every 250 msec and performs RAM check start processing every 24 hours		1. Add 1 to the 24-hour RAM check counter 2. If the 24-hour RAM check counter is 345600 or higher, perform the following processes 3 and 4 3. Set the 24-hour RAM check counter to 0 4. Perform "RAM check start processing"	None
req[13-3-2-8]	RAM check start processing (sensor MCU)	Request the start of a RAM check	None	If the RAM check phase is stopped, perform the following processes 2 and 3     Set the RAM check phase to start processing     Initiatize the pretry counter on error with 0.	None
req[13-3-2-9]	RAM check 250msec processing (sensor MCU) RAM check processing (sensor MCU)	RAM check processing is performed every 250 msec Check RAM	None None	3. Initialize the retry counter on error with 0  1. Perform RAM check process  2. Set the result of RAM check processing to OUTPUT  1. Initialize the OUTPUT value with "Stop"	Check result Check result
req[13-3-2-10]				4. If the RAM check phase is the "sawe area", perform the following processes 11 to 12. 5. If the RAM check phase is the "main area", perform the following processes 13 to 14. 6. If the RAM check phase is 'process successful', perform the following process 15. 7. If the RAM check phase is 'processing fallure', perform the following process 15. 8. If the RAM check phase is other than the above processes 2 to 7, perform the following process 2.1 9. Inteliate Party Counter to 0 and set the RAM check phase to "save area". 9. Inteliate Party Counter to 0 and set the RAM check phase or save area". 9. Perform "RAM check processing after RAM check phase and set the result to the RAM check phase. 12. Set the OUTPUT value to "Running" 13. Perform "RAM check process: main RAM check phase and set the result to RAM chack phase. 14. Set the OUTPUT value to "Running" 15. Set the RAM check phase to "Stop processing" and set the OUTPUT value to "Normal" 16. Add 1 to the netry counter and the set than 3. perform process 19 below. 16. If the retry counter value is less than 3. perform process 19 below. 18. If the retry counter value is less than 3. perform process 19 below. 19. Set the RAM check phase to "Stop processing" and set the OUTPUT value to "Running". 20. Set the RAM check phase to "Stop processing" and set the OUTPUT value to "Running". 21. Set the RAM check phase to "Stop processing" and set the OUTPUT value to "Failed".	
req[13-3-2-11]	RAM check processing: RAM check phase for saving (sensor MCU)	Performs backup RAM check phase processing		1. Perform "saws RAM check process" 2. If the result of process 1 above is "successful" perform process 4 below. 3. If the result of process 1 above is not "successful", perform process 5 below. 4. Perform "Check targer RAM check initialization process" and set OUTPUT to "Main area". 5. Set OUTPUT to "Processing failed"	RAM check phase
req[13-3-2-12]	RAM check processing: Main RAM check phase (sensor MCU)	Process the main RAM check phase		1. Perform "Check targer RAM check process", set the value of INPUT to OUTPUT. 3. If the result of process 1 above is "inprogress", set the value of INPUT to OUTPUT. 3. If the result of process 1 above is "successful", set OUTPUT to 'process successful". 4. If the result of process 1 above is neither "in progress" nor "success", set OUTPUT to 'process failure.	RAM check phase
req[13-3-2-13]	MCU)	Check the backup RAM area used when checking RAM		1. Initiatize OUTPUT with "Failure" 2. Set the start address of the backup RAM in the check address 3. Write 0x55 for 16 bytes to the check address data 4. Check if the check address data 1889us is 0x55 5. Write 0x2A for 16 bytes to the check address data 18. 6. Check if the check address data 1889us is 0x54 6. Check if the check address data 1889us is 0x54 7. If both process 4 and process 6 above match, set OUTPUT to "success"	Check result
req[13-3-2-14]	Check target RAM check initialization process (sensor MCU) Check target RAM check processing	Set the start address for RAM check  Check the RAM of the specified area	Target area  Target area	Set the start address of the main area (0xE780)     Substitute the start address for the check address	None  Check result
req[13-3-2-15]	(sensor MCU)			2. Set OUTPUT to "Running" 3. Perform the following processes 4 to 14 for 32 bytes 4. Disable interrupts 5. Write the check address data to the save memory 6. Write 0x55 to the check address data 1. Write 0x45 to the check address data 9. Write the check address data 1. Write 0x45 to the check address data 1. Write 0x45 to the check address 11. Allow interrupts 11. Allow interrupts 11. Allow interrupts 11. Illow interrupts 12. Mod 1 to the check address 13. It confirmation buffer 1 is other than 0x55 or confirmation buffer 2 is other than 0xAA, perform the following process 14. 14. Set OUTPUT to "Failure" and ost toop processing 3. 15. When the stant address reaches the end of the RAM to be confirmed (0xFE00), the following process 17 is executed.	
req[13-4-1-1]	10 msec interrupt processing for BUMP test Reading 250 msec count flag	Perform 10 msec interruption processing of BUMP test Reads the 250 msec count flag	Bump test count timer Bump calibration count timer None	Count down bump test count timer.     Count down bump calibration count timer.     Return the 250 msec count flag.	Bump test count timer Bump calibration count timer 250 msec count flag
req[13-4-1-2]	(Sensor MCU) 250 msec count flag setting	Reads the 250 msec count flag Set the 250 msec count flag	Count flag setting value	Neturn the 250 msec count flag.      Place the setting value of the count flag in the 250 msec count flag.	250 msec count flag 250 msec count flag
req[13-4-1-3]	(Sensor MCU)  10 msec Interrupt handling (Main MCU)	Perform interrupt processing for 10 msec	None	1. 10 msec Call interrupt processing. 2. Call processing every 10 msec of EC connection check. 3. 24 bit A/D conversion start processing. 4. Calls up the energization time counting process of the NC sensor element.	250 msec count flag
	10 msec interrupt RAM data	Perform 10 msec interrupt RAM data initialization	None	5. 250 mse When the count timer is 1, set the 250 msec count flag to true and set the 250 msec count timer to 25.      Initialize the 250 msec count flag.	250 msec count flag
req[13-4-1-5] req[13-4-1-6]	initialization processing Reading 100 msec count flag	processing Reading 100 msec count flag	None	Return 100-msec count flag.	100 msec count flag
req[13-4-1-7]	Reading 250 msec count flag (Main MCU)	Reads the 250 msec count flag	None	Return 250 msec count flag.	250 msec count flag
req[13-4-1-8]	100 msec count flag setting 250 msec count flag setting	Set 100 msec count flag Set the 250 msec count flag	Count flag setting value Count flag setting value	Place the setting value of the count flag in the 100 msec count flag.     Place the setting value of the count flag in the 250 msec count flag.	100 msec count flag 250 msec count flag
req[13-4-1-9]	(Main MCU)				

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req[13-4-1-10]	Interrupt activation processing	Perform an interrupt activation processing	None	1. 10 msec Call interrupt start processing.	None
req[13-4-1-11]	Interrupt stop processing	Perform interrupt stop processing	None	1. 10 msec Call interrupt stop processing.	None
req[13-4-1-12]	10 msec Interrupt handling (Sensor MCU)	Perform interrupt processing for 10 msec	None	1. Count SPI timeout. 2. Count the delay of SCI6. 3. Call all 10 ms interrupt processing for each function. 4. When the count timer is 0, the count flag is set to true.	None
req[13-4-1-13]	ICMT0 channel initialization processing	Initialize the ICMT0 channel	None	Initialize the ICMT 0 channel.	None
req[13-4-1-14]	CMT0 channel counter start processing	Start processing of the CMT0 channel counter	None	Enable CMI 0 interrupt in ICU.     Start CMT0 count.	None
req[13-4-1-15]	CMT0 channel counter stop	Stop processing of CMT0 channel counter	None	Invalidate CMI 0 interrupt in ICU.	None
	processing Sensor MCU FW rewrite	Perform Sensor MCU FW rewrite for	None	Stop CMT0 count.      Allow interrupts.	None
req[13-4-1-16]	for 10 msec interrupt processing	10 msecinterrupt processing		Sensor MCU FW rewrite 10 msec When the switching flag is OFF, call 10 msec interrupt processing.     Sensor MCU Substitute 10 ms interrupt processing for FW rewriting.	
req[13-4-1-17]	None	No treatment	None	No treatment.	None
req[13-4-1-18] req[13-4-1-19]	None	No treatment No treatment	None None	No treatment. No treatment.	None None
req[13-4-1-20] req[13-4-1-21]	None None	No treatment No treatment	None None	No treatment.  No treatment.	None None
req[13-4-1-22] req[13-4-1-23]	None None	No treatment No treatment	None None	No treatment.  No treatment.	None None
req[13-4-1-24]	IT module initialization processing IT module start processing	Perform initialization process of IT module Perform start processing of IT module	None None	Initialize the IT module.     Clear the INTIT interrupt flag.	None None
req[13-4-1-25]	IT module start processing	Perform stop processing of IT module	None	Enable INTT interrupt.  Invalidate INIT interrupt.	None
req[13-4-1-26]	10 msec Interrupt processing	Perform interrupt processing for 10 msec	None	Clear the INTIT interrupt flag.      Allow multiple interrupts.	None
req[13-4-1-27]	(Main MCU)			2. Call 10 mosc interruption processing.  1. Reset watchdog timer.	
	Module main processing	Perform module main processing	None	Neset watchoog timer.     Check the RAM.     Reset the watchdog timer.	None
				4. Set the RAM error flag. 5. Set the address of the nonvolatile memory.	
				Reset the watchdog timer.     Performs voltage detection circuit control activation processing	
				Initialize variables in ZIPC.     Check ROM.     Initial value of concentration calculation data is set.	
				11. Activate interrupt. 12. Initialize alarm relation.	
				Start IIC of SCI6.     Start SPI of dedicated function.     Start SPI watchdog timer.	
				<ol> <li>Communication with MAIN microcomputer is started.</li> <li>Reset the watchdog timer.</li> </ol>	
req[13-4-2-1]				18. Start RTC. 19. Read FRAM data.	
				Read FRAMID data.     Read FRAM reset alarm point.     Confirm whether resetting of alarm point can be executed.	
				23 Read FRAM of lunch break data. 24. Reset the watchdog timer.	
				25. Initialize the logger. 26. Rewrite the FW of the sensor MCU.	
				27. Main process per main loop. 28. Check the 100 msec flag. 29. Update the 100 msec flag.	
				30. Start RL78 communication. 31. Perform "RAM check every 100 msec"	
				32. Check the 250 msec flag. 33. Update the 250 msec flag.	
	1000 msec processing A	Perform 1000 msec processing A	None	Convert temperature value of RL78.     Calculate A/D average value for hydrogen cancellation CO of RL78.	None
req[13-4-2-2]				Calls up all gas concentration calculation processing.     Call self-diagnosis processing after 24 hours.	
req[13-4-2-3]	1000 msec processing B 1000 msec processing C	Perform 1000 msec processing B Perform 1000 msec processing C	None None	Reads the date and time of the RTC.     Update the FRAM.	None None
req[13-4-2-4]				Set FRAM to default state.     Clear the power logger of the logger function.	
	1000 msec processing D	Perform 1000 msec processing D	None	Clear the logger function data logger.     Implement AIR calibration.	None
req[13-4-2-5]				Perform AUTO calibration.     Check every 1 second period.	
	250 msec processing	Perform processing A for 250 msec	None	Reset watchdog timer.     Calculate the average value of 12 bits A/D value.	None
				Perform RL78 communication processing.     Check warning temperature warning.	
				Create an event for ZIPC of key.     Clear LCD display data.	
req[13-4-2-6]				When battery voltage is abnormal, turn on the battery voltage abnormality flag.     Display each icon.	
				Judge PowerOff display.     10. Perform the processing of ZIP-C.     11. When the EX command reception flag for SD is ON, the display data for SDM	
				is created.  12. When the PowerOff display ONOFF is ON, a TURNOFF display is created.	
	250 msec processing	Perform processing B for 250 msec	None	Automatically light the backlight.     Lit the LCD backlight.	None
req[13-4-2-7]				3. Perform buzzer loop processing. 4. Set display data of LCD.	
				Check ROM.     Perform "voltage detection circuit control self-diagnosis processing every 250 msec"	
req[13-4-2-8]	Main loop processing	Perform processing for each main loop	None	Analyze received data and create transmitted data.     SCI9 Perform main processing after UART command reception.	None
<u> </u>	Module main processing (Sensor MCU)	Perform module main processing	None	Allow interrupts.	None
	2,			<ol> <li>If the RAM check process at startup is not good, turn on the RAM error flag.</li> <li>Substitute SUM check in progress flag.</li> </ol>	
				Reset the watchdog timer.     Perform "power supply voltage monitoring circuit control RAM data initialization."	
				processing" 6. Initialize 24 bit A/DRAM data. 7. EC connection check RAM data is initialized.	
				EC connection check RAM data is initialized.     Initialize NC sensor RAM data.	
				Initialize oxygen warm air RAM data.     Initialize command receive RAM data.	
				Execute the interrupt activation process.     Perform oxygen warming initial processing.	
req[13-4-2-9]				14. 10 msec Start interrupt. 15. 24 Start the A/Dbit conversion. 16. Communication with MAIN microcomputer is started.	
				Communication with MAIN microcomputer is started.     To Set the receive buffer.     Start UART communication.	
				Check the 250 msec flag.     Reset the watchdog timer.	
				21. Update the 250 msec flag. 22. Perform oxygen loop warm up main loop processing.	
				Calculate the average value of A/D values.     Calculate the difference AD of the EC connection check.	
				25. Check ROM. 26. If there is an abnormality in the RAM, turn on the RAM error flag. 27. Perform "reft-dispressing start properties group 24 hours"	
	T004	Dufam TODA		<ol> <li>Perform "self-diagnosis start processing every 24 hours"</li> <li>Perform "RAM check every 250msec" and turn on the RAM error flag if there is an error.</li> </ol>	N
req[13-5-1-1]	TGRA compare match interrupt handling	Perform TGRA compare match interrupt processing	Temporary buffer of TGRA Temporary buffer of TGRB Buzzer in operation flag	When the buzzer is in the OFF state, turn off the MTU 2 function.	None
req[13-5-1-2]	MTU2 channel 2 counter start	Perform start processing of MTU 2 channel 2 counter	None	Enable TGIA 2 interrupt with ICU.	None
	processing MTU2 channel 2 counter stop processing	Perform stop processing of MTU 2 channel 2 counter	None	Disable TGIA 2 interrupt with ICU.	None
req[13-5-1-4]	MTU2 module initialization processing	Initialize the MTU 2 module	None	Initialize the MTU2 module.	None
req[13-5-1-5]	TGRA compare match interrupt processing	Perform TGRA compare match interrupt processing	None	Allow interrupts.     Call TGRA compare match interrupt processing.	None
	12bit AD variable initialization processing	Perform 12bit AD variable initialization processing	None	Lear I GKA compare match interrupt processing.     Initialize the AD value save buffer.     Initialize the averaging buffer.	AD value save buffer Averaging buffer
req[13-6-1-1]	F000119			Initialize the average buffer update disable flag.     Initialize the initial process flags.	Averaging buffer Average buffer update disable flag Initial process flags
	4017.470	Perform 12 bit A/D conversion start processing	None	When A/D conversion is stopped, start 12-bit A/D conversion.	None
req[13-6-1-2]	12-bit A/D conversion start processing 12-bit A/D conversion completion	Perform 12 bit A/D conversion completion interrupt	Moving average buffer undate nermission floor	Acquire the A/D value.	None
req[13-6-1-2]		Perform 12 bit A/D conversion completion interrupt processing	Moving average buffer update permission flag	Acquire the A/D value.     When moving average buffer update prohibition flag is OFF, insert 12-bit A/D data into average buffer.	None
	12-bit A/D conversion completion	Perform 12 bit A/D conversion completion interrupt	Moving average buffer update permission flag  None	<ol><li>When moving average buffer update prohibition flag is OFF, insert 12-bit A/D data</li></ol>	NC sensor toggle count

	Confirm whether to change PGA	Confirm whether to change PGA setting of 24 bit	A/D channel	In the case other than the temperature sensor, perform the following processing 2 to 3.	PGA setting value
req[13-6-1-6]	setting of 24bit A/D and set it  Set PGA setting of 24 bit A/D to	A/D and carry out setting processing  Perform processing to set PGA setting of 24 bit	A/D value PGA setting value	Fix the PGA setting value to 1 when checking EC sensor connection.     If it is outside the threshold value, the PGA setting value is changed.     Set the PGA setting value in each PGA register.	None
req[13-6-1-7]	register  24 bit A/D RAM data initialization	A/D to register  Initialize the buffer used for 24 bit A/D acquisition	None	Set the PGA Setting value in each PGA register.      Initialize the setting value of PGA.	PGA setting value
req[13-6-1-8]	processing	initialize the bullet used for 24 bit N/D acquisition	IVOITE	2. Initialize AID acquisition buffer.  3. Initialize the flag of the combustible sensor.	A/D acquisition buffer Flag of combustible sensor
	Settable amp offset adjustment processing	Perform settable amp offset adjustment processing	None	Save the variables that will be overwritten by the API.     Set power on of the AFE circuit.	None
req[13-6-1-9]				Measure the PGA offset voltage.     Start offset trimming of CONFIGURABLE AMPLIFIERn.     S. Restore the data stored in the variable to the relevant register.	
req[13-6-1-10]	PGA and DS A/D converter initialization processing	Initialize the PGA and DS A/D converter	None	Wait until the AFE stabilizes.     Wait until the PGA stabilizes.	None
req[13-6-1-11]	DS A/D conversion average result	Acquire average result of DS A/D conversion	Buffer H Buffer L	INTDSAD Set level 2 priority.     Return the average result of A/D conversion.	None
req[13-6-1-12]	acquisition processing  DS A/D conversion result acquisition processing	Acquire DS A/D conversion result	Buffer H Buffer L	Returns the A/D conversion result.	None
req[13-6-1-13]	PGA and DS A/D converter start processing	Perform start processing of PGA and DS A/D converter	None	Clear the INTDSAD interrupt flag.     Enable INTDSAD interrupt.	None
	PGA and DS A/D converter stop	Perform stop processing of PGA and DS A/D	None	Start conversion.     Disable INTDSAD interrupt.	None
req[13-6-1-14]	processing  24-bit A/D conversion completion	converter  Perform 24 bit A/D conversion completion interrupt	None	Clear the INTDSAD interrupt flag.     Stop the conversion.     Allow multiple interrupts.	None
req[13-6-1-15]	interrupt processing  A/D converter initialization	processing  Perform initialization processing of the A/D converter	None	Call 24-bit A/D converter.  Initialize the A/D converter.  Initialize the A/D converter.	None
req[13-6-1-16] req[13-6-1-17]	processing  A/D converter start processing	Perform start processing of the A/D converter	None	Start the A/D converter.	None
req[13-6-1-18] req[13-6-1-19]	A/D converter stop processing Initializes the selectable power-on-	Perform stop processing of the A/D converter  Perform initializes the selectable power-on-reset circuit	None None	Stop the A/D converter.     Initializes the CAMP circuit.	None None
req[13-6-1-20] req[13-6-1-21]	reset circuit Starts the CAMP0	Perform starts the CAMPO	None	Starts the CAMP0.     Starts the CAMP1.	None
	Starts the CAMP1  12 bit A/D value average conversion processing	Perform starts the CAMP1 Perform 12 bit A/D value average conversion processing	None Moving average buffer	Turnor moving average buffer update prohibition flag.     Calculate the average value of temperature sensor A/D values.	None  Moving average buffer update permission flag 12 bit A/D value
req[13-6-2-1]				Convert A/D data to voltage value.     Turnoff the moving average buffer update prohibition flag.	Moving average buffer update prohibition flag
req[13-6-2-2] req[13-6-2-3]	12 bit A/D value read processing 12 bit A/D mV conversion	Perform 12 bit A/D value read processing Perform 12 bit A/D mV conversion	A/D channel AD conversion result	Return the A/D value of the specified A/D channel.     Convert the AD conversion result to a voltage value.	12 bit A/D value Voltage value
req[13-6-2-4]	12bitA/D initial AD acquisition flag	Perform 12bitA/D initial AD acquisition flag	Initial process flag	Initialize the result flags.     Turn on the result flag other than the initial process flag is completed.     Return result flag.	Result flag
req[13-6-2-5]	Put 12 bit A/D data in the average buffer	Put 12 bit A/D data in the average buffer	12 bit A/D value	Insert the 12-bit A/D value into the moving average buffer.	Moving average buffer
	24 bit A/D value average conversion processing	Perform 24 bit A/D value average conversion processing	Average buffer update permission flag Backup buffer for NC sensor	When the average buffer renewal permission flag is ON, the NC sensor average     A/D value is obtained using the NC sensor backup buffer, and the update permission	NC sensor average A/D value EC sensor average A/D value
req[13-6-2-6]				flag is turned off.  2. From the EC sensor A/D value, calculate the average A/D value of the EC sensor.  3. Calculate the average A/D value of the temperature sensor from the temperature sensor.	Temperature sensor average A/D value Average buffer update permission flag
				A/D value.  4. When the average A/D value of the NC sensor is obtained, the average A/D data of	
	24 bit A/D mV conversion	Perform 24 bit A/D mV conversion	A/D channel	the NC sensor is converted into the voltage value.  5. Convert A/D data of EC sensor and temperature sensor to voltage value.  1. Convert the A/D data of the specified channel to the voltage value.	A/D value
req[13-6-2-7]	24 bit A/D mV conversion  24 bit A/D conversion completion	Perform 24 bit A/D mV conversion  Perform 24 bit A/D conversion completion interrupt	A/D channel A/D value None	Convert the A/D data of the specified channel to the voltage value.      Check the 24-bit A/D conversion complete channel.	A/D value None
	interrupt processing	processing		The completed channels are subjected to the following processes 3 to 8.     Acquire the A/D value.	
req[13-6-2-8]				<ol> <li>When O2 sensor channel and oxygen warming is being performed, acquire the A/D value every 10 msec.</li> <li>If the EC sensor is not being checked, insert the 24-bit A/D value into the buffer.</li> </ol>	
				Acquire the A/D value of the EC sensor check.     Change the PGA setting of 7. 24 bit A/D.	
	24 bit A/D value assignment processing	Perform 24 bit A/D value assignment processing	NC sensor average A/D value EC sensor average A/D value	8. If there is no completed channel, stop 24-bit A/D conversion.  1. Return the A/D value mV of the specified A/D channel.  2. In case of NC sensor, it returns the A/D value mV of the specified acquisition timing.	A/D value
req[13-6-2-9]	processing		Temperature sensor average A/D value A/D channel	O2 In case of warming up, obtain the A/D value after O2 sensor average.	
req[13-6-2-10]	24bit A/D acquisition	Acquire 24 bit A/D	NC sensor acquisition timing  None		A/D value
-nt.002-10]				Obtain A/D value and shift bit.	
req[13-6-2-11]	24 bit A/D conversion complete channel check	Perform 24 bit A/D conversion complete channel check	None	Return converted A/D channel in bit format.	A/D channel
	24 bit A/D conversion complete	Perform 24 bit A/D conversion complete channel			
req[13-6-2-11] req[13-6-2-12]	24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data	None A/D value A/D channel	Return converted A/D channel in bit format.  Reference the sign bit of the A/D value and return the absolute value of the A/D value.  Assign the A/D value to the average buffer of the specified AD channel.  Copy the NC sensor AD conversion result corresponding to the element energization flag to the backup buffer.	A/D channel A/D value
req[13-6-2-11] req[13-6-2-12]	24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer NC sensor 24bit A/D value average	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average	None  A/D value  A/D channel  A/D value  Element energization flag	Return converted A/D channel in bit format.  Reference the sign bit of the A/D value and return the absolute value of the A/D value.  Assign the A/D value to the average buffer of the specified AD channel.  Copy the NC sensor AD conversion result corresponding to the element energization flag to the backup buffer.  Accumulate the AD values in the backup buffer. Get the minimum value at the same time.	A/D channel  A/D value  Average buffer  Average buffer
req[13-6-2-11] req[13-6-2-12] req[13-6-2-13]	24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer NC sensor 24bit A/D value average	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average	None  A/D value  A/D channel  A/D value  Element energization flag	Return converted A/D channel in bit format. Return converted A/D channel in bit format. Return converted A/D value and return the absolute value of the A/D value. Assign the A/D value to the average buffer of the specified A/D channel. Copy the NC sensor A/D conversion result corresponding to the element energization flag to the backup buffer. Description of the backup buffer. Capy the NC sensor A/D conversion result corresponding to the element energization flag to the backup buffer. Capy the NC sensor A/D values in the backup buffer. Get the minimum value at the same time. Calculate the everage value by subtracting the minimum value from the integrated value. Calculate the voltage-converted A/D value.	A/D channel  A/D value  Average buffer  Average buffer
req[13-6-2-11] req[13-6-2-12] req[13-6-2-13] req[13-6-2-14]	24 bit A/D conversion complete channel check channel check.  Determine ± of 24 bit A/D data  Put 24bit A/D data in average buffer  NC sensor 24bit A/D value average processing  NC sensor AD value difference	Perform NC sensor AD value difference acquisition  Perform NC sensor AD value difference acquisition  Perform NC sensor AD value difference acquisition	None AD value AD value AD channel AD value Element energization flag AD conversion result	1. Return converted A/D channel in bit format. 1. Reterence the sign bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Capy the N/C sensor A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same time. 3. Calculate the everage value by subtracting the minimum value from the integrated value. 4. Calculate the voltage-converted A/D value. 5. Nith the average buffer. 6. Turn ON the average buffer movement flag when the A/D values of all elements have 1. Returns the difference between the current average buffer and the previous average.	A/D channel  A/D value  Average buffer  Average buffer
req[13-6-2-11] req[13-6-2-12] req[13-6-2-13]	24 bit A/D conversion complete channel check channel check Channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer NC sensor 24bit A/D value average processing and the sensor 24bit A/D value difference acquisition processing of H2	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing	None A/D value A/D value A/D channel A/D value Element energization flag AD conversion result	Return converted A/D channel in bit format.  Reference the sign bit of the A/D value and return the absolute value of the A/D value.  Reference the sign bit of the A/D value and return the absolute value of the A/D value.  Reference the sign bit of the A/D value to the average buffer of the specified AD charmet.  Copy the NC sensor AD conversion result corresponding to the element energization flag to the backup buffer.  A comulate the AD values in the backup buffer. Get the minimum value at the same time.  Calculate the average value by subtracting the minimum value from the integrated value.  Calculate the voltage-converted AD value.  Shift the average buffer.  Turn ON the average buffer movement flag when the AD values of all elements have	A/D channel A/D value Average buffer Average buffer Average buffer movement flag
req[13-6-2-11] req[13-6-2-12] req[13-6-2-13] req[13-6-2-14]	24 bit A/D conversion complete channel cheek.  Determine ± of 24 bit A/D data  Put 24bit A/D data in average buffer  NC sensor 24bit A/D value average processing  NC sensor AD value difference acquisition processing of H2 cancellation CO	Perform NC sensor AD value difference acquisition processing	None A/D value A/D value A/D channel A/D value Element energization flag AD conversion result  Element energization flag AD conversion result	Return converted A/D channel in bit format.  Reference the sign bit of the A/D value and return the absolute value of the A/D value.  Reference the sign bit of the A/D value to the specified A/D channel.  Copy the NC sensor A/D conversion result corresponding to the element energization flag to the backup buffer.  Accountate the A/D values in the backup buffer. Get the minimum value at the same time.  Calculate the average value by subtracting the minimum value from the integrated value.  Calculate the voltage-converted A/D value.  Shift the average buffer.  Turn O/N the average buffer movement flag when the A/D values of all elements have the Returns the difference between the current average buffer and the previous average buffer.	A/D channel A/D value Average buffer Average buffer Average buffer movement flag  NC sensor voltage difference
req[13-6-2-11] req[13-6-2-12] req[13-6-2-13] req[13-6-2-14] req[13-6-2-15] req[13-6-2-16]	24 bit A/D conversion complete channel check channel check.  Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer NC sensor 24bit A/D value average processing NC sensor 4Abit A/D value difference acquisition processing Acquisition processing of H2 cancellation CO CO	Perform 24 bit A/D conversion complete channel check Determine ± 0f 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt	None A/D value A/D value A/D channel A/D value Element energization flag AD conversion result  Element energization flag Average buffer A/D channel	1. Return converted A/D channel in bit format.  1. Reference the sign bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Copy the NC sensor A/D conversion result corresponding to the element energization flag to the backup buffer.  2. Accountate the A/D values in the backup buffer. Get the minimum value at the same time.  3. Calculate the average value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shit the average buffer.  5. Turn O/N the average buffer movement flag when the A/D values of all elements have the returns the difference between the current average buffer and the previous average buffer.  1. Return the (WE 1 or W 2) A/D value specified on the A/D channel.	A/D channel A/D value Average buffer Average buffer Average buffer movement flag  NC sensor voltage difference CO sensor A/D value
req[13-6-2-11] req[13-6-2-12] req[13-6-2-13] req[13-6-2-14] req[13-6-2-16] req[13-6-2-17]	24 bit A/D conversion complete channel check channel check channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer NC sensor 24bit A/D value average processing  NC sensor AD value difference acquisition processing of H2 cancellation CO 12 bit A/D conversion completion interrupt processing Result acquisition processing from the A/D conversion completion interrupt processing from the A/D conversion completion interrupt processing measurements of the A/D conversion completion interrupt processing from the A/D conversion completion interrupt processing from the A/D conversion completion interrupt processing medium that the A/D conversion completion interrupt processing from the A/D conversion completion interrupt processing from the A/D conversion completion interrupt processing medium that the A/D conversion completion interrupt processing from the A/D conversion completion interrupt processing processing processing the A/D conversion control to the A/D conversion completion interrupt processing processing processing the A/D conversion completion interrupt processing processing processing the A/D conversion completion interrupt processing the A/D conversion con	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 28th A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of H2 cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module	None APD value APD value APD value APD channel APD channel APD value Element energization flag APD conversion result Element energization flag Average buffer APD channel None Channel of data register to be read Buffer pointer None	1. Return converted A/D channel in bit format.  1. Reference the sign bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Copy the NC sensor A/D conversion result corresponding to the element energization flag to the backup buffer.  2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same  3. Geculate the everage value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shift the average buffer.  6. Turn ON the average buffer movement flag when the A/D values of all elements have  1. Returns the difference between the current average buffer and the previous average buffer.  1. Return the (WE 1 or W 2) A/D value specified on the A/D channel.  1. Call 12-bit A/D conversion completion interrupt processing.  1. Acquire the result from the A/D converter.  1. Initialize the SAU 0 module.	A/D channel  A/D value  Average buffer  Average buffer  Average buffer movement flag  NC sensor voltage difference  CO sensor A/D value  None  None  None
req[13-62-13] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-15] req[13-62-17] req[13-62-18] req[13-7-1-1]	24 bit A/D conversion complete channel check Channel check Channel check Channel check Channel check Channel check	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 28th A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of Hz cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAUD module Initialize the UARTO module	None APD value APD value APD value APD channel APD channel APD value Element energization flag APD conversion result  Element energization flag Average buffer APD channel None Channel of data register to be read Buffer pointer None None	1. Return converted A/D channel in bit format.  1. Reference the sign bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Copy the NC sensor A/D conversion result corresponding to the element energization flag to the backup buffer.  2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same  3. Calculate the everage value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shift the average buffer.  6. Turn ON the average buffer movement flag when the A/D values of all elements have  1. Returns the difference between the current average buffer and the previous average buffer.  1. Return the (WE 1 or W 2) A/D value specified on the A/D channel.  1. Call 12-bit A/D conversion completion interrupt processing.  1. Acquire the result from the A/D converter.  1. Initialize the SAU 0 module.  1. Initialize the UARTO module.	A/D channel  A/D value  Average buffer  Average buffer  Average buffer  Average buffer movement flag  NC sensor voltage difference  CO sensor A/D value  None  None  None  None
req[13-62-11] req[13-62-13] req[13-62-14] req[13-62-14] req[13-62-16] req[13-62-16] req[13-62-17] req[13-62-18] req[13-7-1-1] req[13-7-1-3] req[13-7-1-3]	24 bit A/D conversion complete channel check channel check channel check channel check channel check channel check	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 2bit A/D data in average buffer Put 2bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of H2 cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire racellation A/D conversion completion interrupt processing Initialize the SAUD module Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module	None AD value AD value AD channel AD channel AD channel AD channel AD conversion result Element energization flag AD conversion result  Element energization flag Average buffer AD channel None Channel of data register to be read Buffer pointer None None None None None None	1. Return converted A/D channel in bit format.  1. Reterence the sign bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Copy the NC sensor A/D conversion result corresponding to the element energization flag to the backup buffer.  2. Accountate the A/D values in the backup buffer. Get the minimum value at the same of the backup buffer.  3. Calculate the everage value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shift the average buffer.  6. Turn ON the average buffer movement flag when the A/D values of all elements have the flag that the difference between the current average buffer and the previous average buffer.  1. Returns the difference between the current average buffer and the previous average buffer.  1. Call 12-bit A/D conversion completion interrupt processing.  1. Acquire the result from the A/D converter.  1. Initialize the SAU 0 module.  1. Initialize the JAUT0 module.  1. Start operation of UART0 module.  1. Stopt the operation of the UART0 module.	A/D channel  A/D value  Average buffer  No sensor voltage difference  CO sensor A/D value  None  None  None  None  None  None  None  None  None
req[13-62-13] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-16] req[13-62-16] req[13-62-17] req[13-7-1-1] req[13-7-1-1] req[13-7-1-1] req[13-7-1-4] req[13-7-1-4]	24 bit A/D conversion complete channel cheek channel cheek channel cheek channel cheek channel cheek put 24 bit A/D data Put 24 bit A/D data in average buffer NC sensor 24 bit A/D value average processing and the channel c	Perform 24 bit A/D conversion complete channel check Determine ± d/24 bit A/D data Put 28bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor Ab value difference acquisition processing Acquire A/D value of H2 cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D conversion completion interrupt intificialize the SAUD module Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform initialization processing of SCIS Perform SCIS processing of UARTO module Perform initialization processing of SCIS Perform SCIS processing of SCIS Perform SCIS processing of SCIS	None AD value AD value AD channel AD channel AD order energization flag AD conversion result  Element energization flag Average buffer AD channel None Channel of data register to be read Buffer pointer None None None None None None None None	1. Return converted A/D channel in bit format.  1. Reterence the sign bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Copy the N/C sensor A/D convension result corresponding to the element energization flag to the backup buffer.  1. Copy the N/C sensor A/D convension result corresponding to the element energization flag to the backup buffer.  1. Copy the N/C sensor A/D values in the backup buffer. Get the minimum value at the same time.  2. Calculate the voltage-converted A/D value.  3. Calculate the everage value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shift the average buffer.  6. Turn ON the average buffer movement flag when the A/D values of all elements have the flag that the difference between the current average buffer and the previous average buffer.  1. Returns the difference between the current average buffer and the previous average buffer.  1. Returns the difference between the current average buffer and the previous average buffer.  1. Returns the difference between the current average buffer and the previous average buffer.  1. Returns the difference between the current average buffer and the previous average buffer.  1. Returns the difference between the current average buffer and the previous average.  1. Call 12-bit A/D conversion completion interrupt processing.  1. Acquire the result from the A/D converter.  1. Initialize the SAU Of module.  1. Initialize the UARTO module.  1. Initialize SCI S.	A/D channel  A/D value  A/Verage buffer  Average buffer  Average buffer movement flag  NC sensor voltage difference  CO sensor A/D value  None
req[13-62-11] req[13-62-12] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-16] req[13-62-17] req[13-62-18] req[13-7-1-1]	24 bit A/D conversion complete channel cheek. Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer NC sensor 24bit A/D value average processing NC sensor AD value difference acquisition processing Acquisition processing of H2 cancellation CO 12 bit A/D convertion completion interrupt processing Result acquisition processing from the A/D converter SAU0 module initialization processing UART0 module state processing UART0 module state processing SCI5 initialization processing SCI5 intailization processing	Perform 24 bit A/D conversion complete channel check Determine a d/24 bit A/D data Put 28bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor Ab value difference acquisition processing Acquire A/D value of H2 cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAUD module Initialize the UARTO module Perform start processing of UARTO module Perform SUCIS stort processing Perform SCIS stort processing Perform SCIS stort processing Perform Initialization processing Perform SCIS stort processing Perform Initialization processing of SCIS	None AD value AD value AD channel AD value Element energization flag AD conversion result  Element energization flag AD conversion result  Element energization flag Average buffer AD channel None Channel of data register to be read Buffer pointer None None None None None	1. Return converted A/D channel in bit format.  1. Reterence the sign bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Capy the N/C sensor A/D conversion result corresponding to the element energization flag to the backup buffer.  2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same time.  3. Calculate the everage value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shift the average buffer.  6. Turn ON the average buffer movement flag when the A/D values of all elements have.  1. Returns the difference between the current average buffer and the previous average buffer.  1. Call 12-bit A/D conversion completion interrupt processing.  1. Acquire the result from the A/D converter.  1. Initialize the SAU 0 module.  1. Initialize the UART0 module.  1. Start operation of UART0 module.  1. Starts sports.  1. Initialize SCI 5.  1. Initialize SCI 5.  1. Initialize SCI 5.  1. Initialize SCI 5.	A/D channel  A/D value Average buffer Average buffer Average buffer movement flag  NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-11] req[13-62-12] req[13-62-13] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-17] req[13-62-17] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1]	24 bit AVD conversion complete channel chack channel chack channel chack channel chack channel chack per service and the channel chack per service and the channel chack per service and the channel c	Perform 24 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing  Perform NC sensor AD value difference acquisition processing  Acquire A/D value of HZ cancellation CO  Perform 12 bit A/D conversion completion interrupt processing  Acquire raviet from A/D converter  Initialize the SAU0 module  Initialize the UART0 module  Perform start processing of UART0 module  Perform start processing of UART0 module  Perform instart processing of UART0 module  Perform in SCIS start processing  Perform SCIS start processing  Perform SCIS start processing  Perform SCIS start processing  Perform SCIS start processing	None AD value AD value AD value AD channel AD value Element energization flag AD conversion result  Element energization flag AD conversion result  Element energization flag Average buffer AD channel None Channel of data register to be read Buffer pointer None None None None None None None None	1. Return converted A/D channel in bit format.  1. Returns converted A/D channel in bit format.  1. Returns the sign bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Copy the NC senec A/D conversion result corresponding to the element energization flag to the backup buffer.  2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time.  3. Calculate the average value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted AD value.  5. Nut no N the average buffer.  6. Turn ON the average buffer movement flag when the AD values of all elements have buffer movement flag when the AD values of all elements have buffer.  1. Return the difference between the current average buffer and the previous average buffer.  1. Return the (WE 1 or W 2) A/D value specified on the A/D channel.  1. Call 12-bit A/D conversion completion interrupt processing.  1. Acquire the result from the A/D converter.  1. Initialize the SAU 0 module.  1. Initialize the UART0 module.  1. Stop the operation of UART0 module.  1. Initialize SCIS.  1. Initialize SCIS.  1. Initialize SCIS.  1. Initialize SCIS.  1. Set the TX9 by pin.	A/D channel  A/D value Average buffer Average buffer movement flag  NC sensor vottage difference  CO sensor A/D value  None
req[13-62-13] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-17] req[13-62-17] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-10]	24 bit A/D conversion complete channel check channel check channel check channel check channel check per 24 bit A/D data Ptr 24 bit A/D data Ptr 24 bit A/D data in average buffer processing and check channel check check channel check check channel check check channel check chec	Perform 24 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer  Perform NC sensor 24bit A/D value average processing  Perform NC sensor AD value difference acquisition processing  Acquire A/D value of HZ cancellation CO  Perform 12 bit A/D conversion completion interrupt processing  Acquire A/D value of HZ cancellation CO  Perform 12 bit A/D conversion completion interrupt processing Acquire revertified to the conversion completion interrupt processing  Initialize the UARTO module  Perform start processing of UARTO module  Perform start processing of UARTO module  Perform SCIS start processing Perform initialization processing of SCIS  Perform start processing of SCIS	None AD value AD value AD value AD channel AD value Element energization flag AD conversion result  Element energization flag AD conversion result  Element energization flag Average buffer AD channel None Channel of data register to be read Buffer pointer None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sign bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the NC senace A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the average value by subtracting the minimum value from the integrated value. 4. Calculate the voltage-converted AD value. 5. Nut no N the average buffer movement flag when the AD values of all elements have 1. Returns the difference between the current average buffer and the previous average buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have 1. Returns the difference between the current average buffer and the previous average buffer. 1. Return the (WE 1 or W 2) A/D value specified on the A/D channel. 1. Call 12-bit A/D conversion completion interrupt processing. 1. Acquire the result from the A/D converter. 1. Initialize the SAU 0 module. 1. Initialize the UART0 module. 1. Stop the operation of the UART0 module. 1. Initialize SCI9. 2. Enable SCI interrupt. 2. Disable SCI interrupt. 2. Disable SCI interrupt. 3. Disable SCI interrupt. 3. Disable SCI interrupt. 3. Disable SCI interrupt. 4. Disable SCI interrupt. 5. Disable SCI interrupt. 6. Disable	A/D channel  A/D value Average buffer Average buffer Average buffer movement flag  NC sensor vottage difference  CO sensor A/D value  None
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-15] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1]	24 bit A/D conversion complete channel check per 24 bit A/D data Ptr. 24 bit A/D data in average buffer NC sensor 24 bit A/D value average processing All check channel check check check check channel check	Perform 24 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing  Perform NC sensor Ab value difference acquisition processing Acquire A/D value of H2 cancellation CO  Perform 12 bit A/D conversion completion interrupt processing Acquire A/D value of H2 cancellation CO  Perform 12 bit A/D conversion completion interrupt processing Initialize the SAU0 module Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform initialization processing SCIS Perform SCIS start processing Perform initialization processing Perform initialization processing Perform Perform start processing of SCIS Perform SCIS start processing of SCIS Perform SCIS start processing of SCIS Perform RL78 communication processing 10 msec- interrupt processing Perform RL78 communication processing 10 msec- interrupt processing Perform RL78 communication setting	None AD value AD value AD value AD channel AD value Element energization flag AD conversion result  Element energization flag AD conversion result  Element energization flag Average buffer AD channel None Channel of data register to be read Buffer pointer None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sligh bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the NC senor A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the average value by subtracting the minimum value from the integrated value. 4. Calculate the voltage-converted AD value. 5. Shift the average buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have 1. Returns the difference between the current average buffer and the previous average buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have 1. Returns the difference between the current average buffer and the previous average buffer. 1. Return the (WE 1 or W 2) A/D value specified on the A/D channel. 1. Call 12-bit A/D conversion completion interrupt processing. 1. Acquire the result from the A/D converter. 1. Initialize the SAU 0 module. 1. Initialize the UART0 module. 1. Stop the operation of UART0 module. 1. Initialize SCI9. 1	A/D channel  A/D value Average buffer Average buffer Average buffer movement flag  NC sensor voltage difference  CO sensor A/D value  None
req[13-62-11] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-16] req[13-62-17] req[13-62-17] req[13-71-1] req[13-71-17]	24 bit AVD conversion complete channel cheek channel cheek channel cheek channel cheek per a cheek channel cheek per 24 bit AVD data Put 24 bit AVD data in average buffer NC sensor 24 bit AVD value average processing 24 bit AVD value average processing average processing of the channel	Perform 24 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer  Perform NC sensor 24bit A/D value average processing  Perform NC sensor AD value difference acquisition processing  Acquire A/D value of HZ cancellation CO  Perform 12 bit A/D conversion completion interrupt processing  Acquire revel from A/D converter  Initialize the UARTO module  Initialize the UARTO module  Perform start processing of UARTO module  Perform start processing of UARTO module  Perform start processing of UARTO module  Perform SCIS start processing  Perform initialization processing  Perform initialization processing  Perform initialization processing of SCIS  Perform SCIS start processing  Perform initialization processing 19  Perform start processing of SCIS  Perform RTS communication processing 10 misec interrupt processing  Perform RTS communication processing 10 misec interrupt processing  Perform RTS communication processing 10 misec interrupt processing  Perform RTS communication setting  Perform RTS perform RTS communication setting  Perform RTS perform RTS communication setting  Perform RTS	None AD value AD value AD channel AD value Element energization flag AD conversion result Element energization flag AD conversion result Element energization flag Average buffer AD channel None Channel of data register to be read Buffer pointer None None None None None None None None	1. Return converted A/D channel in bit format.  1. Return converted A/D channel in bit format.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Capy the N/G sensor A/D conversion result corresponding to the element energization flag to the backup buffer.  2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same time.  3. Calculate the voltage-converted A/D value.  4. Calculate the everage value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shift the average buffer.  6. Turn ON the average buffer movement flag when the A/D values of all elements have the A/D value specified on the A/D values of all elements have buffer.  1. Return the HWE 1 or W/J A/D value specified on the A/D channel.  1. Call 12-bit A/D conversion completion interrupt processing.  1. Acquire the result from the A/D converter.  1. Initialize the SAU 0 module.  1. Initialize the UART0 module.  1. Iside operation of UART0 module.  1. Initialize SGI 5.  1. Stopp a SGIS.  1. Initialize SGI 5.  1. Stopp a SGIS.  1. Initialize SGI 9.  1. Clear the interrupt flag.  2. Enable SGI Interrupt.  1. Initialize communication retry time of the RL 78 is other than 0, the communication retry time of the RL 78 is other than 0, the communication retry time of the RL 78 is other than 0, the communication retry time of the RL 78 is other than 0, the communication retry time of the RL 78 is other than 0, the communication retry time of the RL 78 is other than 0, the communication retry time of the RL 78 is other than 0.	A/D channel  A/D value Average buffer Average buffer Average buffer movement flag  NC sensor vottage difference  CO sensor A/D value  None  None
req[13-62-11] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-16] req[13-62-17] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-1]	24 bit A/D conversion complete channel cheek Che	Perform 24 bit A/D conversion complete channel check Determine a d 24 bit A/D data Put 28bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of H2 cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire A/D value of H2 cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Perform the SAU0 module Perform stat processing of UARTO module Perform stat processing of UARTO module Perform stat processing of UARTO module Perform SUS stat processing Perform SUS stot processing Perform SUS stot processing Perform stat processing of SCI9 Perform mitinalization processing of SCI9 Perform RL78 communication processing 10 msec- interrupt processing Perform RL78 communication setting Perform UART start processing of SCI9 Perform UART start processing of SCI9	None  None	1. Return converted A/D channel in bit format.  1. Reterence the sign bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Capy the N/G sensor A/D convension result corresponding to the element energization flag to the backup buffer.  2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same time.  3. Calculate the voltage-converted A/D value.  4. Calculate the everage value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shift the average buffer.  6. Turn O/N the average buffer movement flag when the A/D values of all elements have the same difference between the current average buffer and the previous average buffer.  1. Return the H/W 1 or W/2 A/D value specified on the A/D channel.  1. Acquire the result from the A/D converter.  1. Initialize the SAU 0 module.  1. Initialize the UART0 module.  1. Initialize SGI 5.  1. Steps peration of UART0 module.  1. Initialize SGI 5.  1. Steps SGIS.  1. Initialize SGI 5.  1. Initialize SGI 5.  1. Initialize SGI 5.  1. Steps SGIS.  1. Steps SGI	A/D channel  A/D value Average buffer Average buffer Average buffer Average buffer Average buffer NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-17] req[13-71-1] req[13-71-17] req[13-71-17] req[13-71-17] req[13-71-17] req[13-71-17] req[13-71-17] req[13-71-17]	24 bit A/D conversion complete channel check per 24 bit A/D data Ptr 24 bit A/D data in average buffer processing and the channel check check channel check check channel check check check channel check ch	Perform 24 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire not value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAUD module Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform SCIS start processing Perform initialization processing Perform initialization processing Perform initialization processing Perform initialization processing Perform start processing of SCI9 Perform RTA communication processing 10 msec interrupt processing Perform TRA communication processing Perform TRA communication setting reconfiguration processing Perform TRA communication setting reconfiguration processing	None  AD value  AD value  AD channel  AD value  Element energization flag  AD conversion result  Element energization flag  AD conversion result  Element energization flag  Average buffer  AD channel  None  Channel of data register to be read  Buffer pointer  None	1. Return converted A/D channel in bit format.  1. Reterence the sligh bit of the A/D value and return the absolute value of the A/D value.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Assign the A/D value to the average buffer of the specified A/D channel.  1. Capy the N/G sensor A/D convension result corresponding to the element energization flag to the backup buffer.  2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same time.  3. Calculate the voltage-converted A/D value.  4. Calculate the everage value by subtracting the minimum value from the integrated value.  4. Calculate the voltage-converted A/D value.  5. Shift the average buffer.  6. Turn O/N the average buffer movement flag when the A/D values of all elements have  1. Return the Hofferonce between the current average buffer and the previous average buffer.  1. Return the Hoff or W/D A/D value specified on the A/D channel.  1. Return the Hofferonce between the A/D converter.  1. Initialize the SAU O module.  1. Initialize the UARTO module.  1. Start operation of UARTO module.  1. Start operation of UARTO module.  1. Start prevailor of UARTO module.  1. Initialize SGI 5.  1. Initialize SGI 5.  1. Initialize SGI 5.  1. Initialize SGI 6.  1. Start profit interrupt.  1. If the communication status of the RL 78 is other than 0, the communication retry timer of the CRP.  1. Start be Communication status of the RL 78 is other than 0, the communication retry timer of the RL 78 is other than 0, the communication retry timer of the RL 78 is other than 0, the communication retry timer of the RL 78 is other than 0, the communication retry timer of the RL 78 is other than 0, the communication retry timer of the RL 78 is other than 0, the communication retry timer of RL 78.  1. Start D GGI 6.	A/D channel A/D value Average buffer Average buffer Average buffer Average buffer Average buffer NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-11] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-17] req[13-62-17] req[13-71-1]	24 bit A/D conversion complete channel chack channel chack channel chack channel chack channel chack per the channel chack per the channel chack per the channel chack per the channel	Perform 24 bit A/D conversion complete channel check Determine a d 24 bit A/D data Put 28bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of H2 cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire A/D value of H2 cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Perform 15 bit A/D conversion of the Conversion of th	None  AD value  AD value  AD channel  AD value  Element energization flag  AD conversion result  Element energization flag  AD conversion result  Element energization flag  Average buffer  AND channel  None  Channel of data register to be read  Buffer pointer  None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sign bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the NC senace A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the average value by subtracting the minimum value from the integrated value. 4. Calculate the voltage-converted AD value. 5. Nut no N the average buffer movement flag when the AD values of all elements have buffer movement flag when the AD values of all elements have buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have buffer. 7. Returns the difference between the current average buffer and the previous average buffer. 8. Turn ON the average buffer movement flag when the AD channel. 9. Call 12-bit A/D conversion completion interrupt processing. 9. Acquire the result from the A/D converter. 9. Initialize the SAU O module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize SCI9. 9. I	A/D channel A/D value Average buffer Average buffer Average buffer Average buffer Average buffer Average buffer NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-11] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-16] req[13-62-16] req[13-72-16] req[13-71-16] req[13-71-16] req[13-71-17] req[13-71-16] req[13-71-17] req[13-71-17]	24 bit A/D conversion complete channel cheek channel cheek channel cheek channel cheek channel cheek channel cheek	Perform 24 bit A/D conversion complete channel check Determine ± 0f 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt Initialize the SAIJO module Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform SIG start processing of SIG Perform SIG start processing Perform SIG start processing Perform SIG start processing Perform start processing of SIG Perform RIAT8 communication processing Perform RIAT8 communication processing Perform RIAT8 communication processing Perform RIAT8 communication setting Perform RIAT8 communication setting Perform RIAT8 communication setting Perform UART5 driver initialization processing Perform UART5 driver initialization processing Perform UART5 driver initialization processing Perform UART5 Receive buffer setting processing for Section the near 1 bries Perform SIG SIGN SIGN SIGN SIGN SIGN SIGN SIGN	None None None None None None None None	1. Return converted A/D channel in bit format. 1. Return converted A/D channel in bit format. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/G senace A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same time. 3. Calculate the Voltage-converted A/D value. 4. Calculate the voltage-converted A/D value. 5. Shift the average buffer. 6. Turn O/N the average buffer movement flag when the A/D values of all elements have 1. Returns the difference between the current average buffer and the previous average buffer. 6. Turn O/N the average buffer movement flag when the A/D values of all elements have 1. Returns the difference between the current average buffer and the previous average buffer. 1. Return the (WE 1 or W 2) A/D value specified on the A/D channel. 1. Call 12-bit A/D conversion completion interrupt processing. 1. Acquire the result from the A/D converter. 1. Initialize the UARTO module. 1. Initialize the UARTO module. 1. Site the operation of UARTO module. 1. Initialize SIG. 1. Site of SIG. 1. Initialize SIG. 1. Site of	A/D channel A/D value Average buffer Average buffer Average buffer movement flag  NC sensor vottage difference CO sensor A/D value None None None None None None None Non
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-15] req[13-71-1]	24 bit A/D conversion complete channel cheek pt 24 bit A/D data Pt 24 bit A/D data Pt 24 bit A/D data and the channel cheek	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer Put 24bit A/D data in average puffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire rator value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Initialize the UARTO module Perform start processing of UARTO module Perform SCIS start processing Perform NCSIS start processing Perform Initialization processing of SCIS Perform SCIS start processing Perform Initialization processing Perform Initialization processing Perform Initialization processing Perform RL78 communication processing 10 msec interrupt processing Perform UARTS communication setting Perform UARTS accent processing Perform UARTS driver start processing Perform UARTS Receive buffer setting processing for receiving the next 1 byte	None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sign bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/C senece A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the A/D values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted A/D value. 4. Calculate the voltage-converted A/D value. 5. Shift the average buffer. 5. Thur DN the everage buffer movement flag when the A/D values of all elements have buffer movement flag when the A/D values of all elements have buffer. 6. Thur DN the everage buffer movement flag when the A/D values of all elements have buffer. 7. The Converted A/D value specified on the A/D channel. 8. Thur DN the average buffer movement flag when the A/D channel. 9. Call 12-bit A/D conversion completion interrupt processing. 9. Acquire the result from the A/D converter. 9. Initialize the SA/U of module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize SG/IS. 9. Initia	A/D channel A/D value Average buffer Average buffer Average buffer movement flag  NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-11] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-16] req[13-62-16] req[13-62-16] req[13-62-17] req[13-62-18] req[13-71-1] req[13-71-1] req[13-71-1] req[13-71-10]	24 bit A/D conversion complete channel cheek channel cheek channel cheek channel cheek channel cheek channel cheek	Perform 24 bit A/D conversion complete channel check Determine ± 0f 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor 24bit A/D value average processing Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform SCIS start processing Perform initialization processing of SCIS Perform SCIS start processing Perform initialization processing Perform initialization processing Perform processing of SCI9 Perform RL78 communication processing Perform RL78 communication processing Perform URATS average	None  None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sligh bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/C senec A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted AD value. 4. Calculate the voltage-converted AD value. 5. Shift the average buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have buffer movement flag when the AD values of all elements have buffer movement flag when the AD values of all elements have buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have buffer and the previous average buffer. 1. Return the (WE 1 or W 2) A/D value specified on the A/D channel. 1. Call 12-bit A/D conversion completion interrupt processing. 1. Acquire the result from the A/D converter. 1. Initialize the SAU 0 module. 1. Initialize the SAU 0 module. 1. Initialize the UART0 module. 1. Stop the operation of UART0 module. 1. Stop the operation of the UART0 module. 1. Initialize SGI9. 1. Initia	A/D channel A/D value Average buffer Average buffer Average buffer movement flag  NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-15] req[13-71-1]	24 bit A/D conversion complete channel cheek che	Perform 24 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor AD value difference acquisition processing Acquire A/D value of HZ cancelliation CO Perform 12 bit A/D conversion completion interrupt processing Acquire not value of HZ cancelliation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Initialize the UARTO module Perform start processing of UARTO module Perform SCIS start processing Perform NCSIS start processing Perform initialization processing of SCIS Perform SCIS start processing Perform Initialization processing Perform initialization processing of SCIS Perform RL78 communication processing 10 msec interrupt processing Perform RL78 communication setting reconfiguration processing of SCI9 Perform UART stop processing Perform UARTS driver start processing Perform UARTS drever buffer setting processing Perform UARTS drever start processing Perform UARTO error processing Perform UARTO error processing Perform UARTO error	None	1. Return converted A/D channel in bit format. 1. Return converted A/D channel in bit format. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/C sensor A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the A/D values in the backup buffer. Get the minimum value at the same time. 3. Calculate the voltage-converted A/D value. 4. Calculate the voltage-converted A/D value. 5. Shift the average buffer. 6. Turn CM the average buffer movement flag when the A/D values of all elements have 1. Returns the difference between the current average buffer and the previous average buffer. 6. Turn CM the average buffer movement flag when the A/D values of all elements have 1. Returns the difference between the current average buffer and the previous average buffer. 1. Return the (WE 1 or W 2) A/D value specified on the A/D channel. 1. Return the (WE 1 or W 2) A/D value specified on the A/D channel. 1. Acquire the result from the A/D converter. 1. Initialize the SAU D module. 1. Initialize the UARTO module. 1. Stop the operation of UARTO module. 1. Stop the operation of UARTO module. 1. Stops SCIS. 1. Initialize SCIS. 2. Enable SCI interrupt. 3. Set the Took of the RL78 is other than 0, the communication retry time of the RL78 is other than 0, the communication retry time of the RL78 is cather than 0, the communication retry time of the RL78 is cather than 0, the communication uncontrol than 0.1 byte. 2. Set the receive buffer. 3. Set of the receive buffer. 3. Set of	A/D channel A/D value Average buffer Average buffer Average buffer movement flag  NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-16] req[13-62-17] req[13-71-1]	24 bit A/D conversion complete channel chack per services and channel chack channel chack channel chack channel ch	Perform 24 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing  Perform NC sensor 24bit A/D value average processing  Perform NC sensor AD value difference acquisition processing Acquire A/D value of H2 cancellation CO  Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform initialization processing SCIS Perform SCIS start processing Perform initialization processing SCIS Perform SCIS start processing of SCIS Perform SCIS communication processing 10 msec interrupt processing Perform initialization processing of SCIS Perform RL78 communication setting reconfiguration processing of SCIS Perform L78 communication setting reconfiguration processing of SCIS Perform UART start processing of SCIS Perform UART stop processing Perform UART 5 driver initialization processing Perform UART	None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sligh bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Capy the N/G senec A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted A/D value. 4. Calculate the voltage-converted AD value. 5. Shift the average buffer. 5. Thur NO hit do seringe buffer movement flag when the AD values of all elements have buffer. 6. Thur NO hit develope buffer. 6. Thur NO hit develope buffer. 7. The AD hit develope buffer. 8. Thur NO hit develope buffer movement flag when the AD values of all elements have buffer. 9. The AD conversion completion interrupt processing. 9. Returns the (WE 1 or W 2) A/D value specified on the A/D channel. 9. Call 12-bit A/D conversion completion interrupt processing. 9. Acquire the result from the A/D converter. 9. Initialize the SAU 0 module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. State operation of UARTO module. 9. Initialize SCI9. 9. Initialize	A/D channel A/D value Average buffer NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-15] req[13-71-1]	24 bit A/D conversion complete channel cheek che	Perform X2 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor Ab value difference acquisition processing Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire a/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Initialize the UARTO module Perform start processing of UARTO module Perform SCIS start processing Perform NCSIS start processing Perform SCIS start processing Perform start processing of SCIS Perform SCIS start processing Perform LARTS communication setting reconfiguration processing Perform LARTS devent start processing Perform LARTS devent start processing Perform LARTS Receive buffer setting processing Perform LARTS Receive buffer setting processing Perform UARTS Receive buffer setting processing Perform start p	None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sligh bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/C senec A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted AD value. 4. Calculate the voltage-converted AD value. 5. Shift the average buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have buffer movement flag when the AD values of all elements have buffer movement flag when the AD values of all elements have buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have buffer. 7. Returns the difference between the current average buffer and the previous average buffer. 8. Call 12-bit A/D conversion completion interrupt processing. 9. Acquire the result from the A/D converter. 9. Initialize the SAU O module. 9. Initialize the SAU O module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize SGIS. 9. Initialize SGI	A/D channel A/D value Average buffer Average buffer Average buffer movement flag  NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-15] req[13-62-17] req[13-62-18] req[13-72-18] req[13-71-19]	24 bit A/D conversion complete channel chack per services and channel chack channel chack channel	Perform X2 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer  Perform NC sensor 24bit A/D value average processing  Perform NC sensor AD value difference acquisition processing  Acquire A/D value of HZ cancellation CO  Perform 12 bit A/D conversion completion interrupt processing  Acquire A/D value of HZ cancellation CO  Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter  Initialize the SAUD module  Initialize the UARTO module  Perform start processing of UARTO module Perform start processing of UARTO module Perform SCIS start processing Perform initialization processing Perform Initialization processing Perform start processing of SCI9 Perform RCIS communication processing Perform Initialization processing of SCI9 Perform RCIS communication processing Perform Initialization processing Perform Initialization processing Perform SCI9 processing Perform RCIS communication processing Perform Initialization processing Perform Initialization processing Perform Initialization processing Perform INITIA communication processing Perform INITIA processing Perform UART stop processing Perform UART stop processing Perform INITIA result	None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/O Senece A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted AD value. 4. Calculate the voltage-converted AD value. 5. Shift the average buffer. 5. Thur NO the average buffer movement flag when the AD values of all elements have buffer movement flag when the AD values of all elements have buffer movement flag when the AD values of all elements have buffer. 6. Thur NO the average buffer movement flag when the AD values of all elements have buffer and the previous average buffer. 7. Return the difference between the current average buffer and the previous average buffer. 8. Thur NO the average buffer movement flag when the AD values of all elements have buffer. 9. Leath of the Cet of W 2) A/D value specified on the A/D channel. 9. Call 12-bit A/D conversion completion interrupt processing. 9. Acquire the result from the A/D converter. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Start operation of UARTO module. 9. Start operation of UARTO module. 9. Initialize SCI9.	A/D channel A/D value Average buffer Average buffer Average buffer movement flag  NC sensor vottage difference CO sensor A/D value None None None None None None None Non
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-15] req[13-62-17] req[13-62-18] req[13-72-18] req[13-71-19]	24 bit A/D conversion complete channel cheek che	Perform X2 bit A/D conversion complete channel check Determine ± of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing Perform NC sensor Ab value difference acquisition processing Acquire A/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire a/D value of HZ cancellation CO Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Initialize the UARTO module Perform start processing of UARTO module Perform SCIS start processing Perform NCSIS start processing Perform SCIS start processing Perform start processing of SCIS Perform SCIS start processing Perform LARTS communication setting reconfiguration processing Perform LARTS devent start processing Perform LARTS devent start processing Perform LARTS Receive buffer setting processing Perform LARTS Receive buffer setting processing Perform UARTS Receive buffer setting processing Perform start p	None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sligh bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/C sensor A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the A/D values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted A/D value. 4. Calculate the voltage-converted A/D value. 5. Shift the average buffer. 5. Thun ON the everage buffer movement flag when the A/D values of all elements have buffer. 6. Thun ON the everage buffer movement flag when the A/D values of all elements have buffer. 7. The ON the everage buffer movement flag when the A/D values of all elements have buffer. 8. Thun ON the everage buffer movement flag when the A/D values average buffer. 9. The conversion of the A/D converter. 9. Returns the difference between the current average buffer and the previous average buffer. 9. Returns the difference between the current average buffer and the previous average buffer. 9. Returns the difference between the current average buffer. 9. Returns the difference between the current average buffer and the previous average buffer. 9. Initialize the SIG. 9. Returns the difference between the current average buffer. 9. Initialize the UARTO module. 9. Initialize SIG. 9. In Initialize SIG. 9. In the communication retry time of the RL78 is other than 0, the communication retry time of the RL78 is other than 0, the communication retry time of the RL78 is other than 0, the communication retry time of the	A/D channel A/D value Average buffer NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-11] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-16] req[13-62-17] req[13-62-17] req[13-72-1] req[13-71-1]	24 bit A/D conversion complete channel chack per services and channel chack channel chack channel chack channel ch	Perform 24 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing  Perform NC sensor 24bit A/D value average processing  Perform NC sensor AD value difference acquisition processing Acquire A/D value of H2 cancellation CO  Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform initialization processing SCI9 Perform Initialization processing SCI9 Perform Initialization processing of SCI9 Perform RL78 communication processing of IAPP Perform Initialization processing of SCI9 Perform RL78 communication setting reconfiguration processing Perform UART start processing of SCI9 Perform UART stop processing of SCI9 Perform UART stop processing Perform UART Stop Processing Perform UART Stop Processing Perform UART SCIS UART start processing Perform UART SCIS UART start processing Perform UARTO error Perform UARTO error processing of UARTO Perform data transmission processing of UARTO Perform data transmission processing of SCI9 Perform data transmission processing of SCI9 Perform data transmission processing of UARTO Perform data transmission processing of UARTO Perform data transmission processing of SCI9 Perform data transmission processing of SCI9 Perform data transmission processing of SCI9 Perform data transmission processing of UARTO Perform data transmission processing of SCI9	None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/O seneor A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the AD values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted AD value. 4. Calculate the voltage-converted AD value. 5. Shift the average buffer. 6. Turn ON the average buffer movement flag when the AD values of all elements have the Cet and	A/D channel A/D value Average buffer None None None None None None None None
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-16] req[13-62-16] req[13-62-16] req[13-62-16] req[13-71-1] req[13-71-2] req[13-71-2] req[13-71-1]	24 bit A/D conversion complete channel check pt 24 bit A/D data Ptr 24 bit A/D data not seem of the check channel check pt 24 bit A/D value average processing data from the check check processing of the cancellation processing of H2 cancellation processing of H2 cancellation CO 12 bit A/D convertion processing from the A/D converter Sadul model in the check processing of the cancel check processing of the A/D converter Sadul model in this lization processing UARTO module start processing UARTO module start processing SCIS start processing UARTO module start processing UARTS dominication setting reconfiguration processing UARTS driver startup processing UARTO data transmission processing SCIS startansmission end processing SCIS data transmission processing SCIS startansmission end processin	Perform X2 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer  Perform NC sensor 24bit A/D value average processing  Perform NC sensor AD value difference acquisition processing  Acquire A/D value of HZ cancellation CO  Perform 12 bit A/D conversion completion interrupt processing  Acquire A/D value of HZ cancellation CO  Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter  Initialize the SAUD module  Initialize the UARTO module  Perform start processing of UARTO module Perform start processing of UARTO module Perform SCIS start processing Perform initialization processing Perform Initialization processing Perform start processing of SCI9 Perform RCIS communication processing Perform Initialization processing of SCI9 Perform RCIS communication processing Perform Initialization processing Perform Initialization processing Perform SCI9 processing Perform RCIS communication processing Perform Initialization processing Perform Initialization processing Perform Initialization processing Perform INITIA communication processing Perform INITIA processing Perform UART stop processing Perform UART stop processing Perform INITIA result	None AD value AD value AD value AD value Element energization flag AD conversion result Element energization flag AD conversion result Element energization flag AD conversion result  Element energization flag Aversage buffer ATD channel None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sligh bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Capy the N/C senece A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the A/D values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted A/D value. 4. Calculate the voltage-converted A/D value. 5. Shift the average buffer. 5. Thur N/D the average buffer movement flag when the A/D values of all elements have some public from the integrated value. 6. Thur N/D the average buffer movement flag when the A/D values of all elements have buffer. 7. The A/D the A/D conversion completion interrupt processing. 7. Returns the difference between the current average buffer and the previous average buffer. 8. Thur N/D the average buffer movement flag when the A/D channel. 8. Call 12-bit A/D conversion completion interrupt processing. 9. Acquire the result from the A/D converter. 9. Initialize the SA/D ornoversion completion interrupt processing. 9. Acquire the result from the A/D converter. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize SCI9. 9. Set the receive buffer or scening the nat 1 byte. 9. Set the receive buffer or scening the na	A/D channel A/D value Average buffer NC sensor voltage difference CO sensor A/D value None None None None None None None Non
req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-14] req[13-62-15] req[13-62-15] req[13-62-15] req[13-62-15] req[13-71-1]	24 bit A/D conversion complete channel chack channel chack channel chack channel chack channel chack channel chack per service and channel chack per service and channel chack per service acquisition processing of the consistency of the channel ch	Perform 24 bit A/D conversion complete channel check Determine a of 24 bit A/D data Put 24bit A/D data in average buffer Perform NC sensor 24bit A/D value average processing  Perform NC sensor 24bit A/D value average processing  Perform NC sensor AD value difference acquisition processing Acquire A/D value of H2 cancellation CO  Perform 12 bit A/D conversion completion interrupt processing Acquire result from A/D converter Initialize the SAU0 module Initialize the SAU0 module Initialize the UARTO module Perform start processing of UARTO module Perform start processing of UARTO module Perform start processing of SCI9 Perform Initialization processing SCI9 Perform Initialization processing SCI9 Perform SCI5 start processing of SCI9 Perform RL78 communication processing 10 misec interrupt processing Perform Initialization processing of SCI9 Perform RL78 communication setting reconfiguration processing of SCI9 Perform L78 communication setting reconfiguration processing of SCI9 Perform UART start processing of SCI9 Perform UART start processing Perform UART start processing Perform UART start processing Perform UARTS driver initialization processing Perform UARTS driver setsup processing Perform UARTS driver processing Perform UARTS driver processing Perform UARTS driver processing Perform data transmission processing of UARTO Perform data transmission processing of SCI9 Perform data transmission interrupt of SCI5 Perform data transmission interrupt of SCI5	None AD value AD value AD value AD value Element energization flag AD conversion result Element energization flag AD conversion result Element energization flag AD conversion result Element energization flag Average buffer AD channel None Channel dista register to be read Buffer pointer None None None None None None None None	1. Return converted A/D channel in bit format. 1. Returns converted A/D channel in bit format. 1. Returns the sligh bit of the A/D value and return the absolute value of the A/D value. 1. Assign the A/D value to the average buffer of the specified A/D channel. 1. Copy the N/C senece A/D conversion result corresponding to the element energization flag to the backup buffer. 2. Accumulate the A/D values in the backup buffer. Cet the minimum value at the same time. 3. Calculate the voltage-converted A/D value. 4. Calculate the voltage-converted A/D value. 5. Shift the average buffer. 5. Thun 0N the average buffer movement flag when the A/D values of all elements have buffer. 6. Thun 0N the average buffer movement flag when the A/D values of all elements have buffer. 7. The North the Cet of A/D value specified on the A/D channel. 8. Thun 0N the average buffer movement flag when the A/D channel. 9. Call 12-bit A/D conversion completion interrupt processing. 9. Acquire the result from the A/D converter. 9. Initialize the SAU O module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize the UARTO module. 9. Initialize SCI9. 1. Stops SCI5. 1. Initialize SCI9. 1. Initialize SCI9. 1. Initialize SCI9. 2. Enable SCI interrupt. 3. Stop the operation of the UARTO module. 4. Initialize SCI9. 5. Initialize SCI9. 5. Initialize SCI9. 6. Initialize SCI9. 7.	A/D channel A/D value Average buffer None None None None None None None None

	SCI9 transmission interrupt processing	Perform SCI9 transmit interrupt handling	Receive buffer address of SCI9	When the number of transmission data of SCI9 is larger than 0, the reception buffer	Receive buffer address of SCI9
req[13-7-2-12]	SCI9 transmission end interrupt		Number of data received by SCI9  None	address of SCI9 is counted up and the number of data received by SCI9 is counted down.  1. Set the TXD 9 pin.	Number of data received by SCI9
req[13-7-2-13]	processing RL78 communication processing	Perform SCI9 transmission end interrupt processing  Perform RL78 communication processing	RL78 communication error count buffer	Set the TXD 9 pin.      When the communication error count buffer of the RL78 is smaller than	TXD 9 pin
req[13-7-2-14]	(started at 250 msec)	renorm NE70 communication processing	The communication status flag of RL78	the communication retry number by the periodic HA command, turn on the sensor circuit error flag.  2. When the communication error count buffer of the RL78 is larger than the communication error touth buffer of the RL78 is sounted up.	TACHE
	Create communication command data in send buffer	Create communication command data in the transmission buffer	Transmit buffer pointer Main command transmission buffer pointer Subcommand send buffer pointer	Create communication command data.	None None
req[13-7-2-16] req[13-7-2-17]	Command processing Pass the maximum number of communication commands	Perform command processing  Pass the maximum number of communication commands	Type of equipment None	Execute command response processing corresponding to the requested command code.     Return the maximum number of commands.	Maximum number of commands
req[13-7-2-18]	Pass table data of communication command	Pass the maximum number of communication commands	Table number	Return table code data.	Table code data
req[13-7-2-19]	Pass the table command pointer of the communication command	Pass the table command pointer of the communication command	Table number	Return table command pointer.	Table command pointer
req[13-7-2-20]	Setting value writing (W)	Perform transmission processing of setting value writing (W)	None	Assign a pointer to the send buffer.     Create communication command data of zero tracking setting.     Insert the ON/OFF setting of the gas into the transmission buffer.	Transmit buffer
req[13-7-2-21]	Setting + A/D value reading (W)	Perform transmission processing of setting + A/D value reading (W)	None	4. Create and transmit dafa for transmission.  1. Assign a portion to the transmission buffer.  2. Create the communication command data for the zero tracking setting.  3. Obtain the logger energy flag.  4. Obtain flammable sensor protection flap.  5. Turnoff the 5. Cronnection check flags.	Long energy flag Flammable sensor protection flag
req[13-7-2-22]	Device connection confirmation command (R)	Perform transmission processing of device connection confirmation command (R)	None	Create and send the transmission data.     Assign a pointer to the transmission buffer.     Create communication command data for device connection confirmation.	None
req[13-7-2-23]	Program number confirmation (R)	Perform transmission processing of program number confirmation (R)	None	Create and send the transmission data.     Assign a pointer to the transmission buffer.     Create communication command data for program number confirmation.	None
req[13-7-2-24]	Confirming whether SUM value confirmation is being executed or not	Confirming whether SUM value confirmation is being executed or not	None	Create and send the transmission data.     Assign a pointer to the transmission buffer.     Create the communication command data for confirming the SUM value confirmation execution.	None
req[13-7-2-25]	Confirm SUM value	Perform transmission processing of confirming the SUM value	None	Create and send the transmission data.     Assign a pointer to the send buffer.     Create communication command data for checking the SUM value.	None
req[13-7-2-26]	SUM value confirmation start processing	Perform transmission processing of SUM value confirmation start processing	None	Create and transmit data for transmission.     Assign a pointer to the send buffer.     Create communication command data of SUM value confirmation start processing.	None
req[13-7-2-26]	Confirming whether the correct command was sent	Confirms whether the correct command was sent	Flag to execute processing in the main loop after completion of reception	Create communication command and a Sow value communication start processing.     Create and transmit data for transmission.     If the transmitted command is correct, execute command processing of SCI9.     End transmission of data.	None
req[13-7-2-28]	Data transmission end processing	Perform data transmission end processing	None	Reset the reception count.     After completion of reception, turn off the flag to execute processing in the main loop.	None
req[13-7-2-29] req[13-7-2-30]	Data transmission processing SUM calculation of transmission data	Perform data transmission processing Perform SUM calculation of transmission data	None Transmission data Transmit buffer	Send data of SCI9.     Calculate SUM value of transmission data.     Returns the SUM value.	None SUM value of transmission data
req[13-7-2-31]	Transmission processing of error command	Perform transmission processing of error command	None	End data transmission.     Set headers.	Transmit buffer
req[13-7-2-32]	Set the header of the receive buffer in the send buffer	Set processing to the header of the receive buffer in the transmission buffer	Receive data save buff Trans data save buff	Put the NAK in the transmission buffer.     Create and transmit data for transmission.     Copy command to array for response command.	Copy to array for response command
req[13-7-2-33]	In the send buffer Creating and sending data for data transmission	In the transmission butter  Create and send data transmission data	Trans data save buff The number of data	1. Place the ETX in the transmission buffer. 2. Pass the number of bytes to be checked and calculate the SUM value. 3. Put the EOT in the transmission buffer.	Copy to array for response command
	Pointer assignment processing of	Perform pointer assignment processing of	None	3. Put the EOT in the transmission buffer. 4. Send data. 5. End transmission of data. 1. Return pointer of send buffer.	Pointer of transmission buffer
req[13-7-2-34]	Pointer assignment processing of transmission buffer Setting value writing (R)	Perform pointer assignment processing of transmission buffer  Perform transmission processing of set value	Receive buffer pointer	Neturn pointer of send buffer.      Set the header.	Pointer of transmission buffer  None
req[13-7-2-35]		writing (R)	Transmit buffer pointer	Assign gas ON/OFF setting.     Create and transmit data for transmission.	
req[13-7-2-36]	Setting value writing (W)	Perform transmission processing of setting value writing (W)	Receive buffer pointer Transmit buffer pointer	Setting ON/OFF of gas.     Send setting value write (R).	None
req[13-7-2-37]	Setting + Read A/D value (R)	Perform transmission processing of setting + send A/D value reading (R)	Receive buffer pointer Transmit buffer pointer	1. Acquire the AID value of each sensor. 2. Convert HEX data to ASCII data. 3. Perform the following processes 4 to 9. 4. Substitution processing of NC sensor toggle court. 5. Substitution processing of Sensor MCU status flag. 5. Substitution processing of Sensor MCU status flag. 6. Common sensor of Sensor MCU status flag. 6. Edit of Sensor MCU status flag. 6. Edit of Sensor MCU status flag. 6. Acquisition process of EC connection check in progress flag. 6. Acquisition process of EC connection check in progress flag. 6. Transmission data resettion / transmission processing. 6. Transmission flag. 6. Transmission flag. 6. Transmission processing. 6. Sensor MCU status flag. 6. Sensor MCU s	None
req[13-7-2-38]	Setting + A/D value reading (W)	Perform transmission processing of setting + transmission of A/D value reading (W)	Receive buffer pointer Transmit buffer pointer	1. Perform the following processes 2 to 6. 2. Setting of long energy. 3. Flammability protection setting. 4. Start processing of EC connection check 0.2. 5. Start processing of EC connection check V.2. 6. Transmission processing of setting 4- AID value reading (W).	Setting of long energy Flammability protection setting
req[13-7-2-39]	Device connection confirmation command (R)	Performs transmission processing of the device connection confirmation command (R)	Receive buffer pointer Transmit buffer pointer	Set the header.     Create and transmit data for transmission.	None
req[13-7-2-40]	Program number confirmation (R)	Perform transmission processing of program number confirmation (R)	Receive buffer pointer Transmit buffer pointer	Set the header.     Convert U_SHORT data to ASCII data of U_CHR [5].     Create and transmit data for transmission.	None
req[13-7-2-41]	Confirm SUM value (C)	Perform transmission processing of SUM value confirmation (C)	Receive buffer pointer Transmit buffer pointer	Set the header.     When the SUM check in progress flag is ON, put '1' in the send buffer pointer.     When the SUM check in progress flag is OFF, put '0' in the send buffer pointer.     Create and transmit data for transmission.	None
req[13-7-2-42]	Confirm SUM value (R)	Perform transmission processing of SUM value confirmation (R)	Receive buffer pointer Transmit buffer pointer	Set the header.     Substitute ROMSUM.     Convert HEX data to ASCII data.     Create and transmit data for transmission.	None
req[13-7-2-43]	Confirm SUM value (W)	Perform transmission processing of SUM value confirmation (W)	Receive buffer pointer Transmit buffer pointer	Set the header.     When the SUM checking in-p+P1494:P1502rogress flag is OFF, substitution of the start flag of SUM during checking is substituted.     Create and transmit data for transmission.	None
req[13-7-2-44]	Command processing	Perform command processing	Receive buffer pointer Transmit buffer pointer Command type	Execute command response processing corresponding to the requested command code.	
req[13-7-2-45]	Pass the maximum number of communication commands	Pass the maximum number of communication commands	None	Return the maximum number of commands.	Maximum number of commands
req[13-7-2-46]	Pass table data of communication command  Pass the table command pointer of	Pass table data of communication command  Pass the table command pointer of	Table number Table code data Table number	Return table code data.      Return table command pointer.	Table code data  Table command pointer
req[13-7-2-47]	Pass the table command pointer of the communication command Confirming whether the correct	the communication command  Confirms whether the correct command was sent	None	Neturn table command pointer.      If the transmitted command is correct, execute command processing.	None
req[13-7-2-48]	command was sent  Data transmission end processing	Perform data transmission end processing	None	If the transmitted command is incorrect, send an error command.      Set the reception count to 0.      After completion of reception, turn off the flag to execute processing in the main loop.	None
req[13-7-2-50] req[13-7-2-51]	Data transmission processing SUM calculation of transmission data	Perform data transmission processing Perform SUM calculation of transmission data	None Transmission data Transmission tata	Send data of UART 0.     Calculate SUM value of transmission data.	None SUM value of transmission data
req[13-7-2-52]	Transmission processing of error command	Perform transmission processing of error command	Transmit buffer None	End data transmission.     Set the header.	Transmission buffer
req[13-7-2-52]	Set the header of the receive buffer in the send buffer	Set processing to the header of the reception buffer in the transmission buffer	Receive data save buff Trans data save buff	3. Insert NAK in send buffer. 4. Create and transmit data for transmission. 1. Copy command to array for response command. 2. Put the received data in the transmission buffer.	Transmission buffer
req[13-7-2-54]	Creating and sending data for data transmission	Create and send data transmission data	Amount of transmitted data	2. Fix the received user in the a tail ansaculations.  1. Set ETX in the transmission buffer.  2. Get the number of bytes to check and calculate the SUM value.  3. Put the reception end command save destination in the transmission buffer.  4. Send data.	Transmission buffer
req[13-7-2-55]	Pointer assignment processing of	Perform pointer assignment processing of	None	4. Send data. 5. End data transmission / reception. 1. Return pointer of send buffer.	Pointer of transmission buffer
req[13-7-2-55]	transmission buffer Get transmission status of SCI5	transmission buffer Perform get transmission status of SCI5	None	Return the transmission status of SCI5.	Transmission status of SCI5
req[13-7-2-57]	SCI5 data transmission processing	Perform SCI5 data transmission processing	Transmit data buffer pointer Send data size	1. If the UART5 transmission counter is 0 and the transmission request data size is greater than or equal to the minimum value, the following processing is performed. 2. Substitute the address of the transmit buffer. 3. Substitute the transmission data size. 4. Set PC3 (TXD) as peripheral function (SCI) 5. Enable transmit interrupt (TXI) 6. Allow send operation	Send buffer address Send data size
req[13-7-2-58]	UART5 driver transmission completion interrupt handling	Perform UART5 driver transmission completion interrupt handling	None	Set PC3(TXD) to port function.     Turn off the transmission end interrupt (TEI) request flag.     Disable transmission operation.	None
req[13-7-2-59]	Data transmission end processing	Perform data transmission end processing	None	Disable End of Transmission Interrupt (TEI) requests.     Assign 0 to the receive counter:     Turn off the reception complete flag.	Receive counter Reception complete flag
req[13-7-2-60]	Data transmission process	Perform data transmission process	Send data size Transmit buffer	Send SCI5 data.  1. Send SCI5 data.	None

req[13-7-2-61]	SUM calculation of transmitted data	Perform SUM calculation of transmitted data	Send data size	Accumulate the data in the transmit buffer.	SUM value
req[13-7-2-61]	UART0 data reception processing	Perform UART0 data reception processing	Transmit buffer Receive buffer pointer buffer size	Return the SUM value.  1. Receive data of UART 0.	Judgment result
req[13-7-3-2]	UART0 reception end processing UART0 overflow data reception	Perform UART0 reception end processing Perform UART0 overflow data reception processing	None None	Setting the receive buffer.  No treatment.	None None
req[13-7-3-3]	processing	Perform UART0 reception interrupt processing	Receive data length of UART 0	I. If the received data length of UART 0 is larger than the number of received data of	Receive buffer
req[13-7-3-4]			Number of data received by UART 0 received data	UART 0, perform the following processing 2 to 4.  2. Place received data in receive buffer.  3. Count up the receive buffer.  4. Count up the number of data received by UART 0.	
req[13-7-3-5]	SCI5 data reception processing	Perform SCI5 data reception processing	Buffer size Receive buffer pointer	1. If the buffer size is smaller than 1, make the status an error. 2. Set the number of data received by SCI5 to 0. 3. Put the buffer size in the receive data length of SCI5. 4. Put the receive buffer pointer in the receive buffer address of SCI5. 5. Return status.	Status Number of data received by SCI5 Receive data length of SCI5 Receive buffer address of SCI5
req[13-7-3-6]	SCI9 data reception processing	Perform SCI9 data reception processing	Buffer size Receive buffer pointer	If the buffer size is smaller than 1, make the status an error.     Set the number of data received by SCI9 to 0.     Put the buffer size in the receive data length of SCI9.     Put the receive buffer pointer in the receive buffer address of SCI9.	Status Number of data received by SCI9 Receive data length of SCI9 Receive buffer address of SCI9
req[13-7-3-7]	SCI5 reception end processing	Perform SCI5 reception end processing	None	Return status.     Allow interrupts.     Get the received data of SCI5.     Set the receive buffer for receiving the next 1 byte.	None
	SCI5 receive error processing SCI5 reception interrupt processing	Perform SCI5 receive error processing Perform SCI5 reception interrupt processing	None None	Execute reception error interrupt processing.     Call SCI 5 reception interrupt processing.	None None
req[13-7-3-10]	SCI5 receive error interrupt processing	Perform SCI5 receive error interrupt processing	None	Call SCI 5 error interrupt processing.	None
req[13-7-3-11]	SCI9 reception end processing	Perform SCI9 reception end processing	SCI9 transmission flag of RL 7 PLOG	When the SCI9 transmission flag of the RL 7 PLOG is TRUE, set the SCI9 transmission flag of RL 7 PLOG to FALSE.	None
req[13-7-3-12]	SCI9 receive error processing	Perform SCI9 receive error processing	None	Set receive and receive buffers by 1 byte each.  No treatment.	None
req[13-7-3-13]	SCI9 reception interrupt processing	Perform SCI9 reception interrupt processing	Receive data length of SCI9 Number of data received by SCI9 received data Receive buffer address of SCI9 Number of data received by SCI9	1. If the received data length of SCI9 is larger than the received data number of SCI9, execute processes 2 to 4 below. 2. Increment the receive buffer address of SCI9. 3. Count down the number of data received by the SCI9. 4. If the received data length of the SCI is less than or equal to the number of received.	Receive buffer address of SCI9 Number of data received by SCI9
req[13-7-3-14]	SCI9 receive error interrupt processing RL78 Communication processing (activated in the main loop)	Perform SCI9 receive error interrupt processing Perform RL78 communication processing	None RL78 communication error count buffer RL78 communication retry timer	data of the SCI9, the reception of the SCI9 is terminated.  1. Clear overrun, framing, parity error flag.  1. If not the periodic HA command, but the communication error count buffer of the RL78 is smaller than the communication retry count, turn on the sensor circuit error flag.	None RL78 communication error count buffer RL78 communication retry timer
req[13-7-3-15]				2. If the communication error count buffer of R.178 is larger than the communication retry count rather than the periodic H.4 command, execute the following processing 3 to 6. 3. Perform processing corresponding to the communication status of RL78. 4. Communication error of RL78 Count up count buffer. 5. Set the communication retry timer of RL78 to the communication delay retransmission time.	
req[13-7-3-16]	RL78 Communication processing acknowledgment	Confirm response of RL78 communication processing	Communication status of RL78 Count number	In case of the periodic HA command, reset the communication error count buffer of RL78.	None
req[13-7-3-17]	Write set value	Perform response processing of writing setting value of SCI9 UART	Receive buffer pointer Transmit buffer pointer	Execute the following processing 2 with W command and R command.     Assign gas ON/OFF setting of RL78.	None
req[13-7-3-18]	Setting + A/D value reading	Perform response processing of Setting + A/D value reading of SCI9 UART	Receive buffer pointer Transmit buffer pointer Count value of NC sensor Sensor MCU status value	Execute the following processing 2 with W command and R command.     Substitute ON/OFF setting of gas of RL78.     Set A/D value reading.     When the status of the sensor circuit is abnormal, turn on the sensor circuit fault flag.	None
req[13-7-3-19]	Device connection confirmation command	Perform response processing of device connection confirmation command of SCI9 UART	Receive buffer pointer Transmit buffer pointer	Check the RL78 communication processing response with R command.	None
req[13-7-3-20]	Program number confirmation	Perform response processing of program number confirmation command of SCI9 UART	Receive buffer pointer Transmit buffer pointer	Set RL78 communication status to program number confirmation with R command.	None
req[13-7-3-21]	Confirm SUM value	Perform response processing of SUM value confirmation command of SCI9 UART	Receive buffer pointer Transmit buffer pointer	1. Execute the following processing 2 to 4 with the R command. 2. Convert ASCI data to HEX data. 3. Acquire the SUM value of RL78. 4.2 Hours If the SUM value is not being checked, set .the RL78 communication status to SUM value check. 5. Execute the following processing 6 to 7 with the W command. 6. RL78 SUM value calculation start confirmation end processing. 7. Set RL78 communication status to equipment connection check. 8. Execute the following processes 9 to 10 with the C command. 9.24 hours SUM calculation start processing completed.	None
				10. 24 hours If SUM value is not being checked, set RL78 communication status	
	Receive data command check	Perform reception data command check processing	Receiving buffer	to SUM value check.  1. UART reception data SUM If the check result is OK, set the command number to 0.	Command number
req[13-7-3-22]			3	to SUM value check.  1. UART reception data SUM If the check result is OK, set the command number to 0.  2. Receive data of UART When SUM check result is NG, set the command number to 0xFF.	
req[13-7-3-22]	Receive data command check  Received data SUM check (SUM check)	Perform reception data command check processing  Perform reception data SUM check	Receiving buffer  Receiving buffer	to SUM value check.  1. UART reception data SUM If the check result is OK, set the command number to 0.  2. Receive data of UART When SUM check result is NG, set the command number to	Command number  Judgment result
	Received data SUM check (SUM check)		Receiving buffer  Flag to execute processing in the main loop	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  SFF.  Search for the first command.  Break at the end of command if it reaches.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return results.  Return results.	
req[13-7-3-23]	Received data SUM check (SUM check)	Perform reception data SUM check	Receiving buffer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Set and the first command.  Break at the end of command if it reaches.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return result.  Return result.  After completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  According data in 1 byte receive buffer for driver.  Put the data in the driver's 1-byte receive buffer into the receive buffer.	Judgment result
req[13-7-3-23]	Received data SUM check (SUM check)  Main processing after receiving command	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting	Receiving buffer  Flag to execute processing in the main loop after completion of reception  Data in 1-byte receive buffer for driver	to SUM value check I UART reception data SUM if the check result is OK, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0.0FF. Search for the first command. Search for the first command. Search for the first command. The complement. The calculated value is compared with the received SUM value, and if it is the same, the result is made NO. Seaturn results. The completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent. The Acquire data in 1 byte receive buffer for driver.	Judgment result
req[13-7-3-23] req[13-7-3-24] req[13-7-3-25]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception,	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  SET on the first command.  Break at the end of command if it reaches.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return result.  Return result.  Return result is completed to the command value is compared value in the received sum in the main loop is ON, check whether the correct command values sent.  According data in 1 byte receive buffer for driver.  Put the data in the driver's 1-byte receive buffer into the receive buffer.  When the RIKEN command ends, allow processing within the main loop.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.	Judgment result  None  1 byte receive buffer for driver
req[13-7-3-23] req[13-7-3-24] req[13-7-3-25] req[13-7-3-26]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception,	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of Setting + A/D value	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer Transmit buffer pointer Receive buffer pointer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Set in the command.  Break at the end of command if it reaches.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return result.  Return result.  After completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  Accepted the command command was sent.  Accepted the command was sent.  Accepted the command was sent.  Roceive data in 1 byte receive buffer fron the receive buffer.  When the RIKEN command ends, allow processing within the main loop.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Set de receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Set and setting value write (R) with R command.	Judgment result  None  1 byte receive buffer for driver
req[13-7-3-23] req[13-7-3-24] req[13-7-3-25] req[13-7-3-26]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing write setting setting the setting processing.  Setting + A/D value reading  Device connection confirmation	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of Setting + A/D value reading  Perform response processing of the device	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer Transmit buffer pointer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Set of the first command.  Set is set, and the set of the first command.  Set is set, and the end of command if it reaches.  Compute the complement.  A the calculated value is companed with the received SUM value, and if it is the same,  Return results.  Return results.  Return results.  A ther completion of neception, if the flag to execute processing in the main loop is ON, check whether the cornect command was sent.  A copiare data in Tybe receive buffer for driver.  Put the data in the driver's 1-byte receive buffer into the receive buffer.  When the RiCRC command ends, allow processing within the main loop.  I set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Send set value write (R) with R command.	Judgment result  None  1 byte receive buffer for driver  None  None
req[13-7-3-23] req[13-7-3-24] req[13-7-3-25] req[13-7-3-26] req[13-7-3-28]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte For the next 1 byte reception, the reception buffer satting processing Write set value  Setting + A/D value reading	Perform reception data SUM check  Perform reception data SUM check  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed Perform recogning is performed. Perform recogning to processing of setting value writing.  Perform response processing of Setting + A/D value reading.  Perform response processing of the device connection confirmation command.  Perform response processing of the device connection confirmation command.	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer Transmit buffer pointer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Series the set of UART when SUM check result is NG, set the command number to 0.  Series the end of command if it reaches.  Compute the complement.  The calculated value is companed with the received SUM value, and if it is the same,  Return results.  Return results.  Return results.  Return results.  Return results.  Require data in Tyber receive buffer for driver.  Put the data in the driver's 1-byte receive buffer into the receive buffer.  When the Rifte Command ends, allow processing within the main loop.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Send setting value write (R) with R command.  Send setting value write (R) with R command.  Send setting value write (R) with R command.	Judgment result  None  1 byte receive buffer for driver  None  None  None
req[13-7-3-23] req[13-7-3-24] req[13-7-3-25] req[13-7-3-27] req[13-7-3-28] req[13-7-3-29] req[13-7-3-3-30]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of nex 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of Setting + A/D value trading  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation  Perform response processing for checking	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer Transmit buffer pointer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Receive data of UART When SUM check result is NG, set the command number to 0.  Receive data of UART When SUM check result is NG, set the command number to 0.  Set in the check of the first command.  Break at the end of command if it reaches.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return results.  After completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  Acquire data in 1 byte receive buffer for driver.  Put the data in the driver's 1-byte receive buffer into the receive buffer.  When the RIKEN command ends, allow processing within the main loop.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Send set value write (R) with R command.  Send setting value write (W) with W command.  Send setting value write (W) with W command.  Send setting value write (W) with W command.  Send setting value write (W) with R command.  Send setting value write (W) with R command.	Judgment result  None  1 byte receive buffer for driver  None  None  None
rea[13-7-3-24] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-26] rea[13-7-3-27] rea[13-7-3-29] rea[13-7-3-31]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte For the next 1 byte reception, the reception buffer setting processing Write set value Setting + A/D value reading Device connection confirmation command Program number confirmation	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of Setting + A/D value reading  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation response processing of program number confirmation.	Receiving buffer  Flag to execute processing in the main loop after completion of reception  Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer  Transmit buffer pointer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NS, set the command number to 0.  Roceive data of UART When SUM check result is NS, set the command number to 0.  SF.  I. Search for the first command.  Break at the end of command if it reaches.  Compute the complement.  A the calculated value is companed with the received SUM value, and if it is the same,  Roteiver of the set of t	Judgment result  None  1 byte receive buffer for driver  None  None  None  None  None
req[13-7-3-23] req[13-7-3-24] req[13-7-3-25] req[13-7-3-27] req[13-7-3-28] req[13-7-3-29] req[13-7-3-3-30]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation  Confirm SUM value  Receive data command check	Perform reception data SUM check  Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of Setting + A/D value reading  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation  Perform response processing for checking the SUM value  Perform reception data command check processing	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception None  Receive buffer pointer Transmit buffer pointer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NS, set the command number to 0.  Roceive data of UART When SUM check result is NS, set the command number to 0.  SF.  1. Search for the first command.  2. Break at the end of command if it reaches.  3. Compute the complement.  4. The calculated value is compared with the received SUM value, and if it is the same, the result is made NO.  7. Return results.  1. After completion of reception, if the flag to execute processing in the main loop is ON, direct, which we have the correct command was sent.  1. Acquire data in 1. Byte receive buffer for driver.  1. Acquire data in 1. Byte receive buffer for driver.  3. When the BIKEN command ends, allow processing within the main loop.  1. Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  1. Send set value write (R) with R command.  2. Send setting 4-AD value value (W) with W command.  1. Send setting 4-AD value reading (R) with R command.  1. Send device connection confirmation command (R) with R command.  1. Send device connection confirmation command.  1. Send set SUM value confirmation (R) with R command.  2. Send setting 4-AD value reading (R) with R command.  3. Svalue confirmation (E) is sent by the C command.  3. Svalue confirmation (E) is sent by the C command.  2. Roceive data of UART When SUM check result is NS, set the command number to 0.  2. Roceive data of UART When SUM check result is NS, set the command number to 0.	None None None None None None None None
rea[13-7-3-24] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-26] rea[13-7-3-27] rea[13-7-3-29] rea[13-7-3-31]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command Program number confirmation  Confirm SUM value	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of nex 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of Setting value writing  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation  Perform response processing of program number confirmation  Perform response processing for checking the SUM value	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception None  Receive buffer pointer Transmit pointer Transmit puffer pointer Transmit puffer pointer None	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Receive data of UART When SUM check result is NG, set the command number to 0.  Receive data of UART When SUM check result is NG, set the command number to 0.  Brain the command if it reaches.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return results.  After completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  After completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  Acquire data in 1 byte receive buffer for drive.  Put the data in the driver's 1-byte receive buffer into the receive buffer.  When the RIKEN command ends, allow processing within the main loop.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Set of setting value write (R) with R command.  Set and setting value write (W) with W command.  Set of setting value write (W) with W command.  Set of setting value write (W) with W command.  Set of setting value write (W) with R command.  Set of setting value write of the value reading (W) with W command.  Set of setting value write of the value reading (W) with R command.  Set of setting value write of the value reading (W) with R command.  Set of the SUM value confirmation (W) with the W command.  Set of the SUM value confirmation (W) with the W command.  A setting value value to UART When SUM check result is KN, set the command number to OxFF.  A conceive data of UART When SUM check result is KN, set the command number to OxFF.  A copused data in 1 byte receive buffer for drive.	Judgment result  None  1 byte receive buffer for driver  None  None  None  None  None  None
rea[13-7-3-24] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-25] rea[13-7-3-27] rea[13-7-3-28] rea[13-7-3-30] rea[13-7-3-31] rea[13-7-3-33]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command Receive processing by 1 byte	Perform reception data SUM check  Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of Setting + A/D value reading  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation  Perform response processing for checking the SUM value  Perform reception data command check processing  Perform reception data command check processing	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception None  Receive buffer pointer Transmit buffer pointer Receive buffer pointer Transmit buffer pointer	to SUM value check.  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NS, set the command number to 0.  Roceive data of UART When SUM check result is NS, set the command number to 0.  SF.  I, Search for the first command.  Break at the end of command if it reaches.  Compute the complement.  A the calculated value is compared with the received SUM value, and if it is the same, the result is made NS.  After completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  Acquired than it Type receive buffer for driver.  Put the data in 1 byte receive buffer for driver.  Put the data in 1 byte receive buffer for the receive buffer.  When the RIKEN command ends, allow processing within the main loop.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Send setting value write (R) with R command.  Send setting 4 AID value write (R) with R command.  Send setting 4 AID value write (R) (W) with W command.  Send setting 4 AID value reading (R) with R command.  Send setting 4 AID value confirmation command (R) with R command.  Send setting of the send of the command.  Send setting 6 AID value confirmation with R command.  Send setting 6 AID value confirmation (R) with W Command.  Send setting 6 AID value confirmation (R) with W Command.  Send setting 6 AID value confirmation (R) with W Command.  Loce 1 Send setting 6 AID value confirmation (R) with W Command.  Loce 1 Send setting 6 AID value confirmation (R) with R command.  Loce 2 Send setting 6 AID value confirmation (R) with W Command.  Loce 2 Send setting 6 AID value confirmation (R) with W Command.  Loce 2 Send setting 6 AID value confirmation (R) with W Command.  Loce 2 Send setting 6 AID value confirmation (R) with W Command.  Loce 2 Send setting 6 AID value confirmation (R) with R command (R) with R command or 1 AID value confirmation (R) with R command (R) with R command (R) with R comma	None None None None None None None None
rea[13-7-3-24] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-25] rea[13-7-3-27] rea[13-7-3-28] rea[13-7-3-30] rea[13-7-3-31] rea[13-7-3-33]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command Receive processing by 1 byte  Pointer assignment processing of receive buffer	Perform reception data SUM check  Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation.  Perform response processing for checking the SUM value  Perform reception data command check processing  Perform reception grocessing after receiving command  Perform reception processing by 1 byte  Perform pointer assignment processing of receive buffer	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception None Receive buffer pointer Transmit buffer pointer None  None  It is a consecute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Receiving buffer	to SUM value check  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART when SUM check result is NG, set the command number to 0.  Brack at the end of command if it reaches.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return result.  Return result.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return result.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return result.  The calculated of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  According data in 1 typts receive buffer for driver.  Put the data in the driver's 1-byte receive buffer into the receive buffer.  The the received data pointer of UART 9 and set the number of receive data to 1 Byte.  Sent desting a write (R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command.  Send setting 4 AD value residing R) with R command R) with R command.  Send setting 4 AD value residing R) with R command R) with R command R) with R R R R R R R R R R R R R R R R R R R	None None None None None None None None
rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-25] rea[13-7-3-25] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-31] rea[13-7-3-32] rea[13-7-3-34]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command Raceive processing by 1 byte  Pointer assignment processing of receive buffer For the next 1 byte reception,	Perform reception data SUM check  Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of program number confirmation.  Perform response processing of program number confirmation.  Perform response processing for checking the SUM value  Perform reception data command check processing  Perform main processing after receiving command.  Perform reception processing by 1 byte  Perform pointer assignment processing of receive buffer  For reception of next 1 byte, reception buffer setting processing is performed.	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer Transmit 1-buffer pointer Transmit buffer pointer Transmit 1-buffer pointer Transmit buffer pointer Transmit bu	to SUM value check  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART when SUM check result is NG, set the command number to 0.  Brain the result is made NO.  Roceive data of the first command.  Return result.  Return result.  A first completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  A first completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  A first completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent.  A course data in 1 typts receive buffer for diver.  Part the data in 1 typts receive buffer for diver.  Part the data in the diver's 1-byte receive buffer from the receive buffer.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Set of sets value write (R) with R command.  Send setting 4 AD value reading R) with R command.  Send setting 4 AD value reading R) with R command.  Send setting 4 AD value reading R) with R command.  Send setting 4 AD value reading R) with R command.  Send setting 4 AD value reading R) with R command.  Send setting 6 AD value reading R) with R command.  Send setting 6 AD value reading R) with R command.  Send setting 6 AD value reading R) with R command.  Send setting 6 AD value reading R) with R command.  Send setting 6 AD value reading R) with R command.  Send setting 6 AD value reading R) with R command.  Send setting 6 AD value reading R) with R command R) R) with R R R R R R R R R R R R R R R R R R	None  1 byte receive buffer for driver  None  None  None  None  None  None  Command number  None  Count for reception  Receive buffer pointer  None
rea[13-7-3-23] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-25] rea[13-7-3-27] rea[13-7-3-28] rea[13-7-3-30] rea[13-7-3-31] rea[13-7-3-32] rea[13-7-3-32] rea[13-7-3-34] rea[13-7-3-34]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command  Raceive processing by 1 byte  Pointer assignment processing of receive buffer  For the next 1 byte reception,	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of Setting + A/D value reading  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation response processing of program number confirmation response processing of program number confirmation  Perform reception data command check processing  Perform reception data command check processing  Perform reception processing siter receiving command  Perform reception processing by 1 byte  Perform pointer assignment processing of receive buffer  Perform on next 1 byte, reception buffer setting	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer Transmit buffer	to SUM value check  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Break at the end of command if it reaches.  Compute the complement.  The calculated value is companed with the received SUM value, and if it is the same,  Roceived the complement.  Roceived the sum of the set of the se	None  1 byte receive buffer for driver  None  None  None  None  None  None  Command number  None  Count for reception  Receive buffer pointer
rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-25] rea[13-7-3-25] rea[13-7-3-28] rea[13-7-3-30] rea[13-7-3-31] rea[13-7-3-34] rea[13-7-3-36] rea[13-7-3-36] rea[13-7-3-36] rea[13-7-3-36]	Received data SUM check (SUM check)  Main processing after receiving command.  Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation  Confirm SUM value  Receive data command check  Main processing after receiving command  Receive processing by 1 byte  Pointer assignment processing of receive buffer  For the next 1 byte reception, the reception buffer setting processing  Received data SUM check (SUM check)  SCIS 1-byte reception processing	Perform reception data SUM check  Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of Setting + AID value reading  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation  Perform response processing for checking the SUM value  Perform reception data command check processing  Perform reception data command check processing  Perform reception processing after receiving command  Perform reception processing by 1 byte  Perform reception of next 1 byte, reception buffer setting processing is performed.  Perform reception data SUM check processing  Perform reception data SUM check processing	Receiving buffer  Flag to execute processing in the main loop siter completion of reception  Data in 1-byte receive buffer for driver  Count for reception  None  Receive buffer pointer  Transmit buffer buffer buffer buffer buffer  Transmit buffer buffer buffer buffer buffer  Transmit buffer buffe	to SUM value check I UART reception data SUM if the check result is OK, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. SF. 1. Search for the first command. Roceived and of the check set of the search of	None  1 byte receive buffer for driver  None None None None None None Command number None Count for reception Raceive buffer pointer None Judgment result
rea[13-7-3-23] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-30] rea[13-7-3-31] rea[13-7-3-31] rea[13-7-3-34] rea[13-7-3-34] rea[13-7-3-35] rea[13-7-3-36]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command  Receive processing by 1 byte  Pointer assignment processing of receive buffer For the next 1 byte reception, the reception buffer setting processing Received data SUM check (SUM check)	Perform reception data SUM check  Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception freat 1 byte, reception buffer setting processing is performed.  Perform response processing of setting value writing  Perform response processing of Setting + A/D value reading.  Perform response processing of brogram number confirmation command.  Perform reception processing for checking the SUM value.  Perform reception data command check processing.  Perform reception data command check processing.  Perform pointer assignment processing of receive buffer.  For reception of next 1 byte, reception buffer setting processing.  Perform reception data SUM check processing.	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception None  Receive buffer pointer Transmit buffer pointer None  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Receive buffer pointer None None  Receiving buffer	to SUM value check I UART reception data SUM if the check result is OK, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. Roseive data of UART When SUM check result is NG, set the command number to 0. Set in the result is made NG. Compute the complement. A thre carbulated value is compared with the received SUM value, and if it is the same, the result is made NG. After completion of reception, if the flag to execute processing in the main loop is ON, check whether the correct command was sent. Acquired than it Type receive buffer for driver. Put the data in 14 byte receive buffer for driver. Put the data in 14 byte receive buffer for driver. Put the data in 14 byte receive buffer for driver. Put the data in 14 byte receive buffer for driver. Put the data in 14 byte for the check allow processing within the main loop. Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte. Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte. Send setting 4 AD value write (R) with R command. Send setting 4 AD value write (R) with R command. Send setting 4 AD value write (R) with R command. Send setting 4 AD value confirmation command (R) with R command. Send setting 4 AD value confirmation with R command. Send setting 4 AD value confirmation (R) with R command. Send setting 4 AD value confirmation (R) with R command. Send setting 4 AD value confirmation (R) with R command. Send setting 4 AD value confirmation (R) with R command. Send setting 4 AD value confirmation (R) with R command. Send setting 4 AD value confirmation (R) with R command. Send the SUM value confirmation (R) with R w Command. Send the SUM value confirmation (R) with R w Command. Send the SUM value confirmation of the value confirmation (R) with R command. Send the sum of the send of the value confirmation of the value confirmation (R) with R command. Send the value co	None  1 byte receive buffer for driver  None  None  None  None  None  None  None  Command number  Count for reception  Receive buffer pointer  None  Judgment result
rea[13-7-3-24] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-36]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading Device connection confirmation command Program number confirmation Confirm SUM value  Receive data command check Main processing after receiving command Receive processing by 1 byte  Pointer assignment processing of receive buffer For the next 1 byte reception, the reception buffer setting processing Received data SUM check (SUM check)  SCIS 1-byte reception processing UARTS driver error interrupt handling Received data SUM check	Perform reception data SUM check  Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception freed 1 byte, reception buffer setting processing is performed.  Perform response processing of setting value writing  Perform response processing of Setting + A/D value reading.  Perform response processing of byte device connection confirmation command.  Perform response processing of program number confirmation.  Perform reception confirmation command.  Perform reception data command check processing the SUM value.  Perform reception data command check processing.  Perform reception processing by 1 byte.  Perform pointer assignment processing of receive buffer.  For reception of next 1 byte, reception buffer setting processing is performed.  Perform reception data SUM check processing.  Perform reception data SUM check processing.  Perform SCIS 1-byte reception processing.	Receiving buffer  Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception None  Receive buffer pointer Transmit buffer pointer None Receiving buffer Receiving buffer Receive buffer None	to SUM value check  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Brain the result is made NG.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Return results.  Return results.  Are completion of reception, if the flag to execute processing in the main loop is ON, check. Whether the correct command was sent.  Are completed the correct command was sent.  Acquire data in 1 byte receive buffer for driver.  Put the data in the driver's 1-byte receive buffer into the receive buffer.  When the RIKEN command ends, allow processing within the main loop.  Sent active data pointer of UART 9 and set the number of receive data to 1 Byte.  Send setting value write (R) with R command.  Send setting value write (R) with R command.  Send setting value write (W) with W command.  Send setting value write (W) with W command.  Send setting value write (W) with R command.  Red device connection confirmation command (R) with R command.  Send setting value write (W) with R command.  Red device connection confirmation or with R command.  Red device connection confirmation or with R command.  Red device connection or setting with R command.  Red device connection confirmation or with R command.  Red device connection or setting the Red with R command.  Red device connection or setting to the Red with R command.  Red device connection or setting to the R command or setting R with R command.  Red device connection or setting R with R command.  Red device c	None  None  1 byte receive buffer for driver  None  None  None  None  None  None  None  None  Command number  Count for reception  Receive buffer pointer  None  Judgment result
rea[13-7-3-24] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-36]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command  Raceive processing by 1 byte  Pointer assignment processing of receive buffer For the next 1 byte reception, the reception buffer setting processing Received data SUM check (SUM check)  SCIS 1-byte reception processing UART5 driver error interrupt handling Received data SUM check	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of Setting + A/D value reading  Perform response processing of Setting + A/D value reading  Perform response processing of breading of the device connection confirmation command  Perform response processing of program number confirmation  Perform response processing of program number confirmation  Perform reception data command check processing  Perform main processing after receiving command  Perform reception data command of the processing of receive buffer  Perform pointer assignment processing of receive buffer  Perform of the setting processing is performed  Perform reception of next 1 byte, reception buffer setting processing is performed  Perform reception data SUM check processing  Perform SCIS 1-byte reception processing  Perform received data SUM check received data SUM check	Receiving buffer  Flag to execute processing in the main loop after completion of reception  Data in 1-byte receive buffer for driver Count for reception  None  Receive buffer pointer  Transmit buffer pointer  None  Flag to execute processing in the main loop after completion of reception  Data in 1-byte receive buffer for driver  Receive buffer  None  Receiving buffer  Receiving buffer  Receiving buffer  Receiving buffer  Receiving buffer	to SUM value check I UART reception data SUM if the check result is OK, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. SFF. Search for the first command. Break of the first command. Roceive data of the complement. A first conjudence of exception, if the flag to execute processing in the main loop is ON, defect, whether the correct command was sent. A first completion of reception, if the flag to execute processing in the main loop is ON, defect, whether the correct command was sent. A first completion of reception, if the flag to execute processing in the main loop is ON, defect, whether the correct command was sent. A first completion of the correct command was sent. A copie data in 1 byte receive buffer for diver. A copie data in 1 byte command ends, allow processing within the main loop. Is et the receive data pointer of UART 9 and set the number of receive data to 1 Byte. Sent desting 4 AD value write (R) with R command. Sent desting 4 AD value write (R) with R command. Sent desting 4 AD value write (R) with W command. Sent desting 4 AD value confirmation command (R) with R command. Sent desting 4 AD value confirmation command (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirmation (R) with R command. Sent desting 4 AD value confirm	None  1 byte receive buffer for driver  None None None None None None None Command number  Command number  None Judgment result  None Judgment result  None Judgment result
rea[13-7-3-23] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-36]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command  Raceive processing by 1 byte  Pointer assignment processing of receive buffer For the next 1 byte reception, the reception buffer setting processing Received data SUM check (SUM check)  SCIS 1-byte reception processing UART5 driver error interrupt handling Received data SUM check  RSPIO module initialization processing	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of the device connection confirmation command  Perform response processing of briggram number confirmation  Perform response processing for checking the SUM value  Perform reception data command check processing  Perform reception data command check processing  Perform reception processing siter receiving command  Perform reception processing by 1 byte  Perform reception of next 1 byte, reception buffer setting processing is performed  Perform reception data SUM check processing  Perform SCI5 1-byte reception processing  Perform VARTS driver error interrupt handling  Perform received data SUM check	Flag to execute processing in the main loop offer completion of reception Data in 1-byte receive buffer for driver Count for reception None Receive buffer pointer Transmit buffer pointer Receive buffer pointer None Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Receive buffer pointer None Receiving buffer Receive buffer Receive buffer Receive buffer Receive buffer Receiving buffer	to SUM value check I UART reception data SUM if the check result is OK, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. Roceive data of UART When SUM check result is NG, set the command number to 0. SF. Search for the first command. Break of the first command. Roceive data of command if it reaches. Compute the complement. A first consideration of the copies, if the flag to execute processing in the main loop is ON, defect, whether the correct command was sent. A first completion of reception, if the flag to execute processing in the main loop is ON, defect, whether the correct command was sent. A copies data in 1 byte receive buffer for diver. A copies data in 1 byte receive the for diver. A copies data in 1 byte receive the for diver. A copies data in 1 byte receive the for diver. Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte. Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte. Set date strips write (R) with R command. Set date strips write (R) with R command. Set desting 4 AD value varied (W) with W command. Send device connection confirmation command (R) with R command. Send device connection confirmation command (R) with R command. Send device connection confirmation with R command. Send device data SUMI the check result is OK, set the command number to 0. Copies data of UART when SUM check result is OK, set the command number to 0. Roceive data of UART when SUM check result is OK, set the command number to 0. Roceive data of UART byte receive buffer for driver.  LUART reception data SUMI the check result is OK, set the command number to 0. Roceive data of UART byte receive buffer for driver.  LUART reception is completed, if the flag to execute processing in the main loop is permitted. LUART reception is completed, if the flag to execute processing in the main loop is permitted. Lie and the first com	None  To byte receive buffer for driver  None None None None None None None Command number  Command number  Receive buffer pointer None Judgment result  None None Judgment result  None None
rea[13-7-3-23] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-36] rea[13-7-3-31] rea[13-7-3-31] rea[13-7-3-36]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command  Raceive processing by 1 byte  Pointer assignment processing of receive buffer For the next 1 byte reception, the reception buffer setting processing Received data SUM check (SUM check)  SCIS 1-byte reception processing UART5 driver error interrupt handling Raceived data SUM check  RSPIO module initialization processing RSPIO module initialization	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of the device connection confirmation command  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation  Perform reception data command check processing  Perform main processing after receiving command  Perform reception processing by 1 byte  Perform pointer assignment processing of receive buffer  For reception of next 1 byte, reception buffer setting processing is performed  Perform reception data SUM check processing  Perform SCIS 1-byte reception processing  Perform reception data SUM check processing  Perform received data SUM check  Initialize the RSP10 module	Flag to execute processing in the main loop offer completion of reception Data in 1-byte receive buffer for driver Count for reception None Receive buffer pointer Transmit buffer pointer buffer pointer None Receive buffer receive buffer for driver Receive buffer Receive buffer Receive buffer Receive buffer None Receiving buffer	to SUM value check  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  The calculated value is compand with the received SUM value, and if it is the same,  Roceived the complement.  Roceived sum of the set of the	None  Style receive buffer for driver  None  None  None  None  None  None  None  Command number  Count for reception  Receive buffer pointer  None  Judgment result  None  None
rea[13-7-3-23] rea[13-7-3-24] rea[13-7-3-25] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-26] rea[13-7-3-36]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command  Raceive processing by 1 byte  Pointer assignment processing of receive buffer For the next 1 byte reception, the reception buffer setting processing Received data SUM check (SUM check)  SCIS 1-byte reception processing UART5 driver error interrupt handling Received data SUM check  RSPIO module initialization processing RSPIO module initialization RSPIO module initialization RSPIO module initialization	Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of the device connection confirmation command  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation  Perform reception data command check processing  Perform main processing after receiving command  Perform reception data command check processing  Perform reception of next 1 byte, reception buffer setting processing is performed.  Perform reception data SUM check processing  Perform reception data SUM check processing  Perform reception data SUM check processing  Perform received data SUM check  Initialize the RSPI0 module  Perform stat processing of RSPI0 module	Flag to execute processing in the main loop after completion of reception Data in 1-byte receive buffer for driver Count for reception None Receive buffer pointer Transmit buffer for driver Receiving buffer Receiving buffer None Receiving buffer None None None	to SUM value check  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Serior to the first command.  Break of the first command.  Roceived SUM value, and if it is the same,  Roceived SUM value, and if it is the same,  Roceived SUM value, and if it is the same,  Roceived SUM value, and if it is the same,  Roceived SUM value is competed with the received SUM value, and if it is the same,  Roceived SUM value is competed value is compand value, and if it is the same,  Roceived SUM value of the set	None  Style receive buffer for driver  None None None None None None None Count for reception Receive buffer pointer None Judgment result None None None None None None None None
req[13-7-3-24] req[13-7-3-26] req[13-7-3-26] req[13-7-3-26] req[13-7-3-26] req[13-7-3-26] req[13-7-3-30] req[13-7-3-40]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading Device connection confirmation command Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command Receive processing by 1 byte  Pointer assignment processing of receive buffer For the next 1 byte reception, the reception buffer setting processing Received data SUM check (SUM check)  SCIS 1-byte reception processing UARTS driver error interrupt handling Received data SUM check  RSPI0 module start processing RSPI0 module start processing RSPI0 module start processing SPI streeout count SPI start processing of dedicated function SPI stop processing of dedicated function SPI stop processing of dedicated function	Perform reception data SUM check  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of the device connection confirmation command  Perform response processing of program number confirmation  Perform response processing for checking the SUM value  Perform response processing for checking the SUM value  Perform reception data command check processing  Perform reception data command check processing  Perform reception processing after receiving command  Perform reception processing by 1 byte  Perform reception of next 1 byte, reception buffer setting processing is performed  Perform Could be performed  Perform SCIS 1-byte reception processing  Perform UART5 driver error interrupt handling  Perform received data SUM check  Perform start processing of RSP10 module  Perform SP1 start processing of dedicated function  Perform SP1 start processing of dedicated function  Perform SP1 start processing of dedicated function	Receiving buffer  Flag to execute processing in the main loop after completion of reception  Data in 1-byte receive buffer for driver  Count for reception  None  Receive buffer pointer  Transmit buffer pointer  None  Receiving buffer  None  Receiving buffer  None  None  None  None  None  None  None  None  Timeout count  None	to SUM value check  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roseive data of UART When SUM check result is NG, set the command number to 0.  Brain and the Command of it reaches.  Compute the complement.  The calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  After completion of reception, if the flag to execute processing in the main loop is ON, and the command was sent.  After completion of reception, if the flag to execute processing in the main loop is ON, and the command was sent.  Acquired tast in 1 byte receive buffer for driver.  Roceive data in 1 byte receive buffer for driver.  Roceive data in 1 byte receive buffer for driver.  Roceive data in 1 byte receive buffer for driver.  Roceive data in 1 byte receive buffer for driver.  Roceive data in 1 byte receive buffer for driver.  Roceive data in 1 byte receive buffer for driver.  Roceive data in 1 byte receive buffer for driver.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Set the receive data pointer of UART 9 and set the number of receive data to 1 Byte.  Send setting 4 AD value write (R) with R command.  Send setting 4 AD value write (R) with R command.  Send setting 4 AD value write (R) with R command.  Send setting 4 AD value confirmation command (R) with R command.  Send setting 4 AD value confirmation (R) with R w Command.  Send setting 4 AD value confirmation (R) with R w Command.  Send setting 4 AD value confirmation (R) with R w Command.  Send setting 4 AD value confirmation (R) with R w Command.  Send byte confirmation (R) with R comma	None None None None None None None None
rea[13-7-3-28] rea[13-7-3-28] rea[13-7-3-28] rea[13-7-3-28] rea[13-7-3-28] rea[13-7-3-32] rea[13-7-3-32] rea[13-7-3-32] rea[13-7-3-34] rea[13-7-3-36]	Received data SUM check (SUM check)  Main processing after receiving command Receive processing by 1 byte  For the next 1 byte reception, the reception buffer setting processing Write set value  Setting + A/D value reading  Device connection confirmation command  Program number confirmation Confirm SUM value  Receive data command check  Main processing after receiving command  Receive data command check  Main processing after receiving command  Receive that sum command check  (SUM check)  SCIS 1-byte reception byte  SCIS 1-byte reception processing Received data SUM check (SUM check)  RESPIO module initialization processing RSPIO module initialization processing RSPIO module initialization processing RSPIO module initialization processing RSPIO module start processing SPI start processing SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing  SPI start processing	Perform reception data SUM check  Perform reception data SUM check  Perform main processing after receiving command  Perform reception processing by 1 byte  For reception of next 1 byte, reception buffer setting processing is performed  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of setting value writing  Perform response processing of brogram number confirmation  Perform response processing of program number confirmation  Perform response processing for checking the SUM value  Perform response processing for checking the SUM value  Perform reception data command check processing  Perform main processing after receiving command  Perform reception processing by 1 byte  Perform reception processing by 1 byte  Perform reception of next 1 byte, reception buffer setting processing is performed  Perform CSUS 1-byte reception processing  Perform CSUS 1-byte reception processing  Perform LARTS driver error interrupt handling  Perform setting processing of RSP10 module  Perform start processing of RSP10 module  Perform SP1 tart processing of dedicated function  Perform SP1 start processing of dedicated function	Receiving buffer  Flag to execute processing in the main loop after completion of reception  Data in 1-byte receive buffer for driver  Count for reception  None  Receive buffer pointer  Transmit buffer pointer  None  Receiving buffer for driver  Receiving buffer  None  Receiving buffer  None  Timeout count  None	to SUM value check  I UART reception data SUM if the check result is OK, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roceive data of UART When SUM check result is NG, set the command number to 0.  Roseive data of UART When SUM check result is NG, set the command number to 0.  Brain and the Command of it reaches.  Compute the complement.  A threa calculated value is compared with the received SUM value, and if it is the same, the result is made NG.  Roteive command of reception, if the flag to execute processing in the main loop is ON, of the completion of reception, if the flag to execute processing in the main loop is ON, of the completion of reception, if the flag to execute processing in the main loop is ON, of the completion of the control of the cont	None None None None None None None None

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	RSPI0 data transmission/reception processing	Perform data transmission/reception processing of RSPI0	Transfer buffer pointer Buffer size	Setting the channel.     Initialize global counter.	Judgment result
req[13-8-2-2]			Receive buffer pointer Buffer size	Enable send interrupt.     Enable receive interrupt.	
			Channel number	Enable RSPI function.     Return status.	
req[13-8-2-3]	RSPI0 error processing	Perform RSPI0 error processing	None	No treatment.	None
req[13-8-2-4] req[13-8-2-5]	RSPI0 reception end processing RSPI0 transmission end processing	Perform processing of end of RSPI0 reception Perform processing of end of RSPI0 transmission	None None	Down the SPI writing flag.     Down the SPI writing flag.	None None
req[13-8-2-5]	Error interrupt processing	Perform error interrupt processing	None	Make sure SSL0 pin is inactive level.	None
ene(42 0 2 0)				Disable RSPI function.     Disable send interrupt.	
req[13-8-2-6]				Disable error interrupt.     Disable error assignment.	
				Disable idle interrupt.	
req[13-8-2-7]	Idling interrupt handling	Perform idling interrupt handling processing	None	Disable the RSPI function.     Disable idle interrupt.	None
req[13-8-2-8]	Data reception interrupt processing	Perform data reception interrupt processing	RSPI0 Receive data length RSPI0 receive data number	Write reception data.     Disable send interrupt.	None
req[13-8-2-8]				3. Allow SPII 0 interrupt.	
reg[13-8-2-9]	Data transmission interrupt processing	Perform data transmission interrupt processing	RSPI0 transmission data number	Write transmission data.     Disable send interrupt.	None
	Wait for data transfer completion	Wait until data transfer is completed	Data reception completion flag	Allow SPII 0 interrupt.  1. Set the timeout count to 5.	Judgment result
reg[13-8-2-10]	wat to data transfer completion	wat unit data transier is completed	Timeout count	<ol> <li>If the data reception completion flag is 1 and the timeout count is 0, the response result is set to NG.</li> </ol>	Judgittetik tesak
				Return response result.	
	SPI transmission reception processing of dedicated function	Perform SPI transmission reception processing of dedicated function	Transfer buffer pointer Buffer size	<ol> <li>If the buffer size is larger than 0 and the number of channels is smaller than 2, execute the following processing 2 to 5.</li> </ol>	Implementation status Data reception completion flag
req[13-8-3-1]			Receive buffer pointer Channel	Turnon data reception completion flag.     Write data to slave device.	
16q[15-0-0-1]			Charle	Wait until data transfer is completed.	
				Set the execution status to ACK.     Return the enforcement status.	
req[13-9-1-1]	SCI6 initialization processing SCI6 start processing	Perform initialization processing of SCI6 Perform start processing of SCI6	None None	Initialize SCI6.      Clear the interrupt flag.	None None
req[13-9-1-2]	SCI6 start processing	Periorii start processing or 3Cro	None	Enable TXI and STI interrupt.	Note
	SCI6 stop processing	Perform stop processing of SCI6	None	Enable RXI interrupt.     Disable TXI and STI interrupt.	None
req[13-9-1-3]				Disable TXI and STI interrupt.     Clear the interrupt flag.	
req[13-9-1-4]	IIC start processing of SCI6	Perform IIC start processing of SCI6	None	Start IIC of SCI6.	None
req[13-9-1-5]	IIC stop processing of SCI6 Transmission of IIC6 data to slave	Perform IIC stop processing of SCI6 Perform transmission of IIC6 data to slave device	None Slave device address	Stop IIC of SCI6.     Place the transmit buffer pointer in the transmit buffer address of SCI6.	None SCI6 transmit buffer address
	I ransmission of IIC6 data to slave device	. Grown nanomical of IICO data to Slave device	Receive buffer pointer	Buffer size Include in the number of transmission data of SCI6.	Number of SCI6 transmit data
req[13-9-2-1]			Buffer size	Place the slave device address in the target slave address of SCI6.     Set the I2C SCI6 transmit receive flag and I2C SCI6 start stop flag.	Target slave address
				Disable RXI and ERI interrupt requests.     Generate start condition.	
req[13-9-2-2]	IIC start processing	Perform start processing of IIC	None	Generate IIC start condition.	None
req[13-9-2-3]	IIC stop processing SCI6 transmission end interrupt	Perform stop processing of IIC  Perform transmission end interrupt processing	None None	Generate IIC stop condition     Hend transmission / reception of SCI6.	None None
req[13-9-2-4]	processing	of SCI6			
	Transmission interrupt processing per 1 Byte of SCI6	Performs transmission interrupt processing every 1 Byte of SCI6	SCI6 transmit receive flag Number of SCI6 transmit data	When the following conditions 2 to 4 are satisfied, the transmission buffer address of the SCI6 is counted up and the number of transmission data of the SCI6 is counted down.	SCI6 transmit buffer address Number of transmission data of SCI6
req[13-9-2-5]			Number of SCI6 received data Receive data length	ACK is being received.     I2C SCI6 transmission reception flag is the transmission flag.	
	SCI6 transmission end interrupt	Perform SCI6 transmission end interrupt processing	SCI0 start stop flag	There is the number of transmission data of SCI6.	Transmit data register
	processing	Perform SCI6 transmission end interrupt processing	SCI0 start stop flag SCI6 transmit receive flag	<ol> <li>When the SCI6 start / stop flag of I2C is the start flag, put the slave address in the transmit data register.</li> </ol>	i ransmit data register
req[13-9-2-6]				<ol><li>If the SCI6 start / stop flag of the I2C is the stop flag and the SCI6 transmission reception flag of the I2C is the transmission flag, the transmission of the SCI6 is ended.</li></ol>	
				<ol><li>If the SCI6 start / stop flag of I2C is a stop flag and the SCI6 transmission reception flag of I2C is a reception flag, the transmission and reception of SCI6 is terminated.</li></ol>	
	IIC transmission processing of SCI6	Perform IIC transmission processing of SCI6	Address data	1. When the in-transmission flag for LCD is OFF, carry out the following processing 2 to 5.	Judgment result
req[13-9-2-7]			Transmit buffer address Transmit data byte	Start transmission / reception.     Send IIC6 data to slave device.	
164[13-9-2-7]			Transmitting flag for LCD	Place the result of transmission reception delay processing in the deend result.     Make the judgment result OK.	
				Returns the judgment result.	
	IIC transmission processing of SCI6 (at startup)	Perform IIC transmission processing of SCI6 at startup	Address data Transmit buffer address	When the in-transmission flag for LCD is OFF, carry out the following processing 2 to 5.     Start transmission / reception.	Judgment result
req[13-9-2-8]			Transmit data byte Transmitting flag for LCD	Send IIC6 data to slave device.     Place the result of transmission reception delay processing in the deend result.	
				Make the judgment result OK.     Returns the judgment result.	
	IIC transmission process for LCD	Perform IIC transmission processing for LCD	Address data	Turnon the transmitting status flag for LCD.	Judgment result
req[13-9-2-9]	of SCI6	of SCI6	Transmit buffer address Transmit data byte	Send IIC6 data to slave device.     Returns the judgment result.	
reg[13-9-2-10]	SCI6 transmission reception end flag	SCI6 transmission reception end flag	None	Turnoff the transmission reception end flag of SCI6.     Turnoff the sending flag for LCD.	Transmission reception end flag of SCI6 Transmitting flag for LCD
	IIC6 data reception processing from	Perform reception processing of IIC6 data from	Slave device address	Place the buffer size in the receive data length of SCI6.	Receive data length of SCI6
	slave device	the slave device	Receive buffer pointer Buffer size	Set the number of data received by SCI6 to 0.     Put in the receive buffer address of receive buffer pointer SCI6.	Reception buffer address of SCI6 Target slave address of SCI6
1				<ol> <li>Place the slave device address in the target slave address of SCI6.</li> </ol>	
req[13-9-3-1]				5 Set the I2C SCI6 transmit receive flag and I2C SCI6 start ston flag	
req[13-9-3-1]				<ol> <li>Set the I2C SCI6 transmit receive flag and I2C SCI6 start stop flag.</li> <li>Disable RXI and ERI interrupt requests.</li> </ol>	
req[13-9-3-1]	SCI6 reception end processing	PerformSCI6 reception end processing	None	<ol><li>Set the I2C SCI6 transmit receive flag and I2C SCI6 start stop flag.</li></ol>	None
	SCI6 reception end processing SCI6 receive interrupt handling	PerformSCI6 reception end processing Perform reception interrupt processing of SCI6	Receive data length of SCI6	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.     Disable RXI and ERI interrupt requests.     Generate start condition.     1. End transmission / reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6.	Reception buffer address of SCI6
				S. Set the IZC SCI6 transmit receive flag and IZC SCI6 start stop flag.     Bisable RXI and ERI interrupt requests.     7. Generate start condition.     1. End transmission / reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.     1. Increment the receive buffer address of SCI6.	
req[13-9-3-2]	SCI6 receive interrupt handling	Perform reception interrupt processing of SCI6	Receive data length of SCI6 Number of data received by SCI6	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.     Disable RXI and REI interrupt requests.     7. Generate start condition.     1. End transmission / reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.     2. Increment the receive buffer address of SCI6.     3. Count down the number of data neceived by SCI6.	Reception buffer address of SCI6 Number of data received by SCI6
req[13-9-3-2]			Receive data length of SCI6	S. Set the IZC SCI6 transmit receive flag and IZC SCI6 start stop flag.     Disable RXI and REI interrupt requests.     7. Generate start condition.     1. End transmission / reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.     2. Increment the receive buffer address of SCI6.     3. Count down the number of data neceived by SCI6.     1. When the transmission reception end flag of SCI6 is On, nop processing is executed.     2. When the detay count of the SCI6 is 0, the deend result is set to NG.	Reception buffer address of SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4]	SCI6 receive interrupt handling  Transmission reception delay	Perform reception interrupt processing of SCI6	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.     Disable RXI and REI interrupt requests.     7. Generate start condition.     1. End transmission reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.     2. Increment the receive buffer address of SCI6.     3. Count down the number of data neceived by SCI6.     1. When the transmission reception end flag of SCI6 is ON, nop processing is executed.     2. When the detay count of the SCI6 is 0, the deend result is set to NG.     3. Returns the judgment result.     1. Turnon SCI6 transmission reception end flag.	Reception buffer address of SCI6 Number of data received by SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.     Disable RXI and REI interrupt requests.     7. Generate start condition.     1. End transmission reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.     2. Increment the receive buffer address of SCI6.     3. Count down the number of data neceived by SCI6.     1. When the transmission reception end flag of SCI6 is ON, nop processing is executed.     2. When the delay count of the SCI6 is 0, the deend result is set to NG.     3. Returns the judgment result.     1. Turnor SCI6 transmission reception end flag.     2. Set the delay count of the SCI6 to 20 masc.     1. Turnor SCI6 transmission reception end flag.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None	S. Set the IZC SCI6 transmist receive flag and IZC SCI6 start stop flag.     Disable RX1 and REI interrupt requests.     7. Generate start condition.     1. End transmission reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, secured processes 2 and 3 below.     1. Increment the receive buffer address of SCI6.     3. Count down the number of data received by SCI6.     1. When the transmission reception end flag of SCI6 is ON, nop processing is executed.     2. When the delay count of the SCI6 is 0, the deend result is set to NS.     3. Returns the judgment result.     1. Turnon SCI6 transmission reception end flag.     2. Set the delay count of SCI6 to 20 maec.     1. Turnon SCI6 transmission reception end flag.     2. Set the delay count of SCI6 to 20 maec.     1. Turnon SCI6 transmission reception end flag.     2. Set the delay count of SCI6 to 20 maec.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.     Disable RXI and REI interrupt requests.     7. Generate start condition.     1. End transmission reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.     2. Increment the receive buffer address of SCI6.     3. Count down the number of data neceived by SCI6.     1. When the transmission reception end flag of SCI6 is ON, nop processing is executed.     2. When the delay count of the SCI6 is 0, the deend result is set to NG.     3. Returns the judgment result.     1. Turnor SCI6 transmission reception end flag.     2. Set the delay count of the SCI6 to 20 masc.     1. Turnor SCI6 transmission reception end flag.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address	6. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. 6. Disable RXI and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data langth of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 4. When the transmission reception end flag of SCI6 is 0.0, nop processing is executed. 2. When the delay count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is 0.0 the delay count of SCI6 is 0.1 the delay count of SCI6 is 0.1 the delay count of SCI6 is 0.1 the delay count of SCI6 is 10.1 the delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10.2 the set are delay count of SCI6 is 10	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Transmission address Transmission data received data	6. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. 6. Disable RXI and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, executer processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 1. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the delay count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is OL6 to 20 masc. 1. If the delay count of SCI6 is not, the delay count of SCI6 is counted. 2. If the delay count of SCI6 is not, the delay count of SCI6 is counted down. 1. Start transmission reception. 2. Set the delay or of SCI6 is 20 the delay count of SCI6 is counted down. 1. Start transmission reception. 2. Set the delay or of SCI6 is not for the delay processing in the deend result. 3. Place the result of ICR is the Slawe device. 3. Place the result of transmission reception delay processing in the deend result. 4. When the deend result is CN, the following processings 5 to 6 are executed.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data	6. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. 6. Disable RXI and REI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 1. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the delay count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is OL the delay count of SCI6 is 0. 3. The delay count of SCI6 is not, the delay count of SCI6 is on the delay count of SCI6 is not. 3. It the delay count of SCI6 is not, the delay count of SCI6 is counted down. 4. If the delay count of SCI6 is not, the delay count of SCI6 is counted down. 5. Start transmission reception. 5. Place the result of ICR to the slave device. 5. Place the result of transmission reception. 6. Receive ICR data to slave device.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Receiving address received data Transmission size	S. Set the IZC SCI6 transmit receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and REI interrupt requests. 7. Generate start condition. 1. End transmission / reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 1. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the design count of the SCI6 is 0, the deend result is set to NG. 2. When the design count of the SCI6 is 0, the deend result is set to NG. 3. To the science of the SCI6 is on the deend result is set to NG. 4. To the SCI6 transmission reception end flag. 4. To the SCI6 transmission reception end flag. 5. Set the delay count of SCI6 is no 0, the delay count of SCI6 is counted down. 1. Start transmission / reception. 1. Start transmission / reception. 1. Start transmission / reception. 2. Start two starts of transmission reception. 3. Place the received of transmission device. 3. Place the received of transmission reception. 5. Start transmission / reception.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Receiving address received data Transmission size	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition.  1. End transmission reception of SCI6.  1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.  2. Increment the receive buffer address of SCI6.  3. Count down the number of data neceived by SCI6.  3. When the transmission reception end flag of SCI6 is ON, nop processing is executed.  2. When the delay count of the SCI6 is 0, the deend result is set to NG.  3. Returns the judgment result.  1. Turnor SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is ON, the delay count of SCI6 is CI7.  3. Flat transmission reception end flag.  3. Had the delay count of SCI6 is no. 0, the delay count of SCI6 is counted down.  1. Start transmission / reception.  2. Set the delay count of SCI6 is not. ON, the delay count of SCI6 is counted down.  3. Place the result of ICR to the silver device.  3. Place the result of ICR to the SI2 reception delay processing in the deend result.  5. Start transmission / reception.  5. Start transmission / reception.  5. Start transmission / reception.  6. Roccive ICR data to slave device.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6
rea[13-9-3-2] rea[13-9-3-4] rea[13-9-3-6] rea[13-9-3-6] rea[13-9-3-7] rea[13-9-3-8]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing  Watchdog timer interrupt processing	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data Transmission size Receives address Receives address Receives size None None	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.     Disable RX1 and ERI interrupt requests.     7. Generate start condition.     1. End transmission / reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.     2. Increment the receive buffer address of SCI6.     3. Count down the number of data neceived by SCI6.     3. When the transmission reception end flag of SCI6 is ON, nop processing is executed.     2. When the delay count of the SCI6 is 0, the deend result is set to NO.     3. Returns the judgment result.     3. Returns the judgment result.     3. Returns the belay count of SCI6 is 0. On the deen result is set to NO.     4. Turns SCI6 is CSC on the SCI6 is CSCI6	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-8]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Initialize the watchdog timer	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Transmission address Transmission data received data Transmission size Receive size	6. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. 6. Disable RXI and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, executer processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 1. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the delay count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is OL the delay count of SCI6 is 0. 1. If the delay count of SCI6 is nOt, the delay count of SCI6 is out. 1. If the delay count of SCI6 is nOt, the delay count of SCI6 is counted down. 1. Start transmission reception. 2. Set the delay count of SCI6 is nOt, the delay count of SCI6 is counted down. 1. Start transmission reception. 3. Place the result of transmission reception. 5. Start transmission reception. 6. Receive IIC 6 data to slave device. 7. Place the result of transmission reception delay processing in the deend result. 6. Returns the judgment result. 7. Initialize the watchdog timer.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result
req[13-9-3-2] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-7] req[13-10-1-1] req[13-10-1-2]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing  Watchdog timer interrupt processing  Watchdog timer interrupt processing  (sensor MCU)  Watchdog timer restart processing  (sensor MCU)	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data Transmission size Receives address Receives address Receives size None None	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.     Disable RX1 and ERI interrupt requests.     7. Generate start condition.     1. End transmission / reception of SCI6.     1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.     2. Increment the receive buffer address of SCI6.     3. Count down the number of data neceived by SCI6.     3. When the transmission reception end flag of SCI6 is ON, nop processing is executed.     2. When the delay count of the SCI6 is 0, the deend result is set to NO.     3. Returns the judgment result.     3. Returns the judgment result.     3. Returns the belay count of SCI6 is 0. On the deen result is set to NO.     4. Turns SCI6 is CSC on the SCI6 is CSCI6	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6] req[13-9-3-8] req[13-10-1-1] req[13-10-1-2]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing  Watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Generor MCUI	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data Transmission data Receiving address Receives address Receives address Receives size Roceives not size Roceives size None None None None None	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. 6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 1. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the design count of the SCI6 is 0, the deen result is set to NO. 3. Returns the judgment result. 3. Returns the judgment result. 3. Returns the judgment result. 4. Turns SCI6 transmission reception end flag. 2. Set the design count of the SCI6 is O. On these. 5. If the delay count of SCI6 is no 0, the delay count of SCI6 is counted down. 1. Start transmission? reception. 1. Start transmission? reception. 3. Set the delay count of SCI6 is no 0, the delay count of SCI6 is Counted down. 4. When the deend result is OK, the following processing in the deend result. 4. When the deend result is OK, the following processing in the deend result. 4. When the deend result is OK, the following processing in the deend result. 5. Start transmission reception. 6. Receive IIC6 data to slave device. 7. Place the result of transmission reception delay processing in the deend result. 8. Returns the judgment result. 1. Initialize the watchodg timer.  No treatment. 1. Watchodg timer restart processing.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result None None None None
req[13-9-3-2] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-7] req[13-10-1-1] req[13-10-1-2]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing  Watchdog timer interrupt processing  Watchdog timer restart processing	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data Transmission data Receiving address Receives address Receives address Receives size Roceives not size Roceives size None None None None None	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. 6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 1. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the delay count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is OZ masec. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is counted down. 1. Start transmission / Foception. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is sci6. 3. Place the result of ICR to the stare device. 3. Place the result of Iransmission reception. 5. Start transmission / reception. 6. Roceive ICR data to slave device. 7. Place the result of transmission reception delay processing in the deend result. 8. Returns the judgment result. 1. Initialize the verification of the service of the service. 1. Initialize the verification flag of the element of the NC sensor. 2. Initialize Oxfore Setting flag of the element of the NC sensor. 2. Initialize Oxfore Setting flag of the element of the NC sensor. 2. Initialize Oxfore Setting flag of the element of the NC sensor.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result None None None None The energization flag of the element of the NC sensor
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-8] req[13-10-1-1] req[13-10-2-2]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing  Watchdog timer interrupt processing watchdog timer restart processing  Watchdog timer restart processing (sensor MCU)  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  Censor MCU)  No sensor RAM data initialization processing	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception delay processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Perform IIC reception processing of SCI6  Institution of SCI6  Watchdog timer interrupt processing Watchdog timer restart processing Watchdog timer restart processing Watchdog timer restart processing Perform NC sensor RAM data initialization processing	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission size Received data Transmission flag None None None None None	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition.  1. End transmission reception of SCI6.  1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.  2. Increment the receive buffer address of SCI6.  3. Count down the number of data neceived by SCI6.  3. When the transmission reception end flag of SCI6 is ON, nop processing is executed.  2. When the delay count of the SCI6 is 0, the deend result is set to NG.  3. Returns the judgment result.  1. Turnor SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is 0.0 the deen of SCI6 is counted down.  1. Turnor SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is no. 0, the delay count of SCI6 is counted down.  1. Start transmission / FCCI6 to 20 mase.  3. Place the result of ICR to the slive device.  3. Place the result of ICR to the slive device.  5. Start transmission / reception.  6. Roceive ICR data to slave device.  7. Place the result of transmission reception delay processing in the deend result.  8. Returns the judgment result.  1. Initialize the vertical of transmission reception delay processing in the deend result.  1. Initialize the vertical of transmission reception delay processing in the deend result.  1. Initialize the energization flag of the element of the NC sensor.  1. Initialize the energization flag of the element of the NC sensor.  2. Initialize the attending the processing flag of the element of the NC sensor.  5. Initialize the attending the general of the result of the processing.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result None None None None None None The energization flag of the element of the NC sensor Long energy ON/OFF setting flag Flammable sensor protection flag
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-8] req[13-10-1-1] req[13-10-2-2]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing  Watchdog timer interrupt processing  Watchdog timer interrupt processing  watchdog timer restart processing  (sensor MCU)  Watchdog timer restart processing  (sensor MCU)  Natchdog timer restart processing  (sensor MCU)  Natchdog timer restart processing  (main MCU)  NC sensor RAM data initialization	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data Transmission data Receiving address Receives address Receives address Receives size Roceives not size Roceives size None None None None None	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. 6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 1. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the delay count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is OZ masec. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is counted down. 1. Start transmission / Foception. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is sci6. 3. Place the result of ICR to the stare device. 3. Place the result of Iransmission reception. 5. Start transmission / reception. 6. Roceive ICR data to slave device. 7. Place the result of transmission reception delay processing in the deend result. 8. Returns the judgment result. 1. Initialize the verification of the service of the service. 1. Initialize the verification flag of the element of the NC sensor. 2. Initialize Oxfore Setting flag of the element of the NC sensor. 2. Initialize Oxfore Setting flag of the element of the NC sensor. 2. Initialize Oxfore Setting flag of the element of the NC sensor.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result  Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None None None Log energy ON/OFF setting flag
rea[13-9-3-2] rea[13-9-3-4] rea[13-9-3-6] rea[13-9-3-7] rea[13-9-3-7] rea[13-10-1-1] rea[13-10-1-1] rea[13-10-2-2] rea[13-10-2-2] rea[13-11-1-1]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer interrupt processing Watchdog timer interrupt processing (sensor MCU)  Watchdog timer restart processing (sensor MCU)  Watchdog timer restart processing (main MCU)  NC sensor RAM data initialization processing	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Perform IIC sensor RAM data initialization processing  Perform IIC sensor RAM data initialization processing  An initial value setting process of data for	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Transmission address Transmission data received data Transmission size Receive size None None None None None None None Non	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition.  1. End transmission reception of SCI6.  1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.  2. Increment the receive buffer address of SCI6.  3. Count down the number of data neceived by SCI6.  3. When the transmission reception end flag of SCI6 is ON, nop processing is executed.  2. When the delay count of the SCI6 is 0, the deend result is set to NG.  3. Returns the judgment result.  1. Turnor SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is 0.0 the deen of SCI6 is counted down.  1. Turnor SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is no. 0, the delay count of SCI6 is counted down.  1. Start transmission / FCCI6 to 20 mase.  3. Place the result of ICR to the slive device.  3. Place the result of ICR to the slive device.  5. Start transmission / reception.  6. Roceive ICR data to slave device.  7. Place the result of transmission reception delay processing in the deend result.  8. Returns the judgment result.  1. Initialize the vertical of transmission reception delay processing in the deend result.  1. Initialize the vertical of transmission reception delay processing in the deend result.  1. Initialize the energization flag of the element of the NC sensor.  1. Initialize the energization flag of the element of the NC sensor.  2. Initialize the attending the processing flag of the element of the NC sensor.  5. Initialize the attending the general of the result of the processing.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result None None None None None None The energization flag of the element of the NC sensor Long energy ON/OFF setting flag Flammable sensor protection flag
rea[13-9-3-2] rea[13-9-3-4] rea[13-9-3-6] rea[13-9-3-6] rea[13-9-3-6] rea[13-10-1-1] rea[13-10-1-1] rea[13-10-2-1] rea[13-10-1-1] rea[13-10-1-1] rea[13-11-1-1]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer interrupt processing Watchdog timer interrupt processing (sensor MCU)  Watchdog timer restart processing (sensor MCU)  Watchdog timer restart processing (man MCU)  NC sensor RAM data initialization processing  Initial value setting processing of concentration calculation data  Confirm existence of TWA  Process of converting ASCII (8) to	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission size Received data None None None None None	5. Set the IZC SCI6 transmistor receive flag and IZC SCI6 start stop flag. 6. Disable RX1 and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 1. When the transmission reception end length of SCI6 is SON, nop processing is executed. 2. Increment the receive buffer address of SCI6. 1. When the transmission reception end flag of SCI6 is SON, nop processing is executed. 2. Set the delay outpent result. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is OD mesc. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is on the desert of SCI6 is counted down. 1. If the delay count of SCI6 is not 0, the delay count of SCI6 is counted down. 2. Send the data of IIC6 to the slave device. 3. Place the result of transmission reception delay processing in the deend result. 4. When the deend result is OK, the following processings 5 to 6 are executed. 5. Start transmission / reception. 6. Receive IIC6 data to slave device. 7. Place the result of transmission reception delay processing in the deend result. 8. Returns the judgment result. 1. Initialize the watchbodg timer. 1. Watchbodg timer restart processing. 1. Oh is written, and then FFh is written and updated. 1. Initialize the exergization flag of the element of the NC sensor. 2. Initialize the exergization flag of the element of the NC sensor. 2. Initialize the exergization flag of the element of the NC sensor. 2. Initialize the comparison result is 0, the variable within the address of U_CHR is set to	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result None None None None None The energization flag of the element of the NC sensor Long energy ON/OFF setting flag Flammable sensor protection flag None
rea[13-9-3-2] rea[13-9-3-4] rea[13-9-3-6] rea[13-9-3-6] rea[13-9-3-6] rea[13-10-1-1] rea[13-10-1-1] rea[13-10-2-1] rea[13-10-1-1] rea[13-10-1-1] rea[13-11-1-1]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing watchdog timer interrupt processing watchdog timer restart processing (sensor MCU)  Watchdog timer restart processing (sensor MCU)  NC sensor RAM data initialization processing of concentration in the processing of concentration calculation data  Confirm existence of TWA	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception delay processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Perform IIC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Perform NC sensor RAM data initialization processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None None Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission size Received data None None None None None None ONOPE setting of integrating alarm	S. Set the IZC SCI6 transmist receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition.  1. End transmission reception of SCI6.  1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.  2. Increment the receive buffer address of SCI6.  3. Count down the number of data neceived by SCI6.  3. When the transmission reception end flag of SCI6 is ON, nop processing is executed.  4. When the transmission reception and flag of SCI6 is ON, nop processing is executed.  5. Returns the judgment result.  7. Turnon SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is On the deard result is set to NG.  5. Set the delay count of SCI6 is Of mace.  7. Turnon SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is of On mace.  7. Turnon SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is of On mace.  1. If the delay count of SCI6 is of On mace.  1. If the delay count of SCI6 is on the delay count of SCI6 is counted down.  2. Send the data of IIC6 to the slave device.  3. Place the result of transmission reception delay processing in the deend result.  4. When the deend result is OK, the following processings in the deend result.  5. Start transmission / reception.  6. Receive IIC6 data to slave device.  7. Place the result of transmission reception delay processing in the deend result.  8. Returns the judgment result.  1. Initialize the such down flag of the element of the NC sensor.  2. Initialize ONOFF setting flag of the element of the NC sensor.  3. Initialize the flamminable sensor protection flag.  1. Perform initial value setting processing slarm is OFF, ON is returned.  1. If the setting is ON and the integrating slarm is OFF, ON is returned.	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None The energization flag of the element of the NC sensor Long energy ON/OFF setting flag Flammable sensor protection flag None Judgment result
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-8] req[13-10-1-1] req[13-10-2-2] req[13-11-1-1] req[13-11-1-3]	SCI6 receive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer interrupt processing Watchdog timer interrupt processing (sensor MCU)  Watchdog timer restart processing (sensor MCU)  Watchdog timer restart processing (man MCU)  NC sensor RAM data initialization processing  Initial value setting processing of concentration calculation data  Confirm existence of TWA  Process of converting ASCII (8) to	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None None Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission size Received data None None None None None None ONOPE setting of integrating alarm	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. Disable RX1 and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is large than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the transmission reception end flag of SCI6 is On, nop processing is executed. 2. When the detay count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnon SCI6 transmission reception end flag. 2. Set the obtay count of the SCI6 is 0, the deelay count of SCI6 is 0. 1. Turnon SCI6 transmission reception end flag. 2. Set the obtay count of SCI6 is not, the delay count of SCI6 is 1. 3. Place the result of SCI6 is not, but delay count of SCI6 is counted down. 1. Start transmission / reception. 3. Place the result of ITCs to the stave device. 3. Place the result of transmission reception delay processing in the deend result. 4. When the deend result is CK, the following processing is 1 to 6 are executed. 5. Start transmission freception. 5. Start transmission freception. 6. Start transmission freception. 7. Place the result of transmission exception. 8. Returns the judgment result. 9. However, the science of the sci	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None The energization flag of the element of the NC sensor Long energy ON/OFF setting flag Flammable sensor protection flag None Judgment result
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-8] req[13-10-1-1] req[13-10-2-2] req[13-11-1-1] req[13-11-1-4]	SCIG raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer interrupt processing Watchdog timer restart processing Initial value setting processing of concentration calculation disa Confirm existence of TWA  Process of converting ASCII (6) to concentration data of OFF_VAL	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None None Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission size Received data None None None None None None ONOPE setting of integrating alarm	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. Disable RX1 and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is large than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the transmission reception end flag of SCI6 is On, nop processing is executed. 2. When the delay count of the SCI6 is 0, the deend result is set to NG. 3. Raturns the judgment result. 1. Turnon SCI6 transmission reception end flag. 2. Set the delay count of the SCI6 is 0, the deend result is set to NG. 1. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is CI7 is 1. Turnon SCI6 transmission reception end flag. 3. Hat the delay count of SCI6 is not, but delay count of SCI6 is counted down. 4. Start transmission / reception. 5. Start transmission / reception. 5. Start transmission / reception. 5. Start transmission reception delay processing in the deend result. 6. When the deend result is CN, the following processings 5 to 6 are executed. 5. Start transmission / reception. 6. Start transmission / reception. 7. Place the result of transmission exception delay processing in the deend result. 8. Returns the judgment result. 8. Returns the judgment result. 9. Watchdog timer result. 9. Vatchdog timer result is not result and updated. 9. Initialize the exercipation flag of the element of the NC sensor. 9. Initialize the templation flag of the element of the NC sensor. 9. Initialize the templation sensor protection flag. 9. In the templation sensor	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None The energization flag of the element of the NC sensor Long energy ON/OFF setting flag Flammable sensor protection flag None Judgment result
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-8] req[13-10-1-1] req[13-10-2-2] req[13-11-1-1] req[13-11-1-3]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer interrupt processing Watchdog timer interrupt processing (sensor MCU)  Watchdog timer initialization processing  Watchd	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Perform liC reception processing of SCI6  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  An initial value setting process of data for concentration acticulation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission size Receive size None None None None None None None Non	S. Set the IZC SCI6 transmist receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition.  1. End transmission reception of SCI6. 1. If the received data lample of SCI6 is larger than the received data number of SCI6, execute processor 2 and 3 below. 2. Increment the receive buffer address of SCI6. 2. Count down the number of data neceived by SCI6. 3. Count down the number of data neceived by SCI6. 3. When the delay count of the SCI6 is 0, the deend result is set to NO. 3. Returns the judgment result. 1. Turno SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is 0, the deend result is set to NO. 3. Earthurs the judgment result. 1. Turno SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is 0 of 0 mesc. 1. Turno SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is not 0, the delay count of SCI6 is counted down. 1. If the delay count of SCI6 is not 0, the delay count of SCI6 is counted down. 1. Start transmission / reception. 2. Sand the data of IIC6 to the slave device. 3. Place the result of transmission reception delay processing in the deend result. 4. When the deend result is OK, the following processings 5 to 6 are executed. 5. Start transmission / reception. 6. Receive IIC6 data to clave device. 6. Receive IIC6 data to clave device. 7. Returns the judgment result. 7. Initialize the watchdog timer. 8. Not restment. 8. Watchdog timer result processing. 9. Only is written, and then FFF is written and updated. 9. Initialize the energization flag of the element of the NC sensor. 9. Initialize the energization flag of the dement of the NC sensor. 9. Initialize the energy cannot result is 0, the variable within the address of U_CHR is set to the result CFF concentration. 9. When the comparison result is 0, the variable within the address of U_CHR is set to the result CFF concentration. 9. Returns the judgment result CFF. 9. When ASCII to be checked is '1', turn the judgment result CFF. 9. When ASCII to	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None None None Non
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6] req[13-9-3-6] req[13-10-1-2] req[13-10-1-2] req[13-10-1-2] req[13-11-1-1] req[13-11-1-2] req[13-11-1-4] req[13-11-1-5]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing  Watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  Center MCUI)  Watchdog timer restart processing  Watchdog timer restart processing  Center MCUI  Watchdog timer restart processing  Center MCUI  Watchdog timer initialization  processing  Watchdog timer restart processing  Concentration calculation data  Confirm existence of TWA  Process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII (9 or '1' to OFF or ON	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog time restart processing  Watchdog time restart processing  Watchdog time restart processing  Perform NC sensor RAM data initialization processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of conventing ASCII (8) to concentration data of OFF_VAL	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data Transmission size Receive size None None None None None None None Non	S. Set the IZC SCI6 transmit receive flag and IZC SCI6 start stop flag. 6. Disable RX1 and REI interrupt requests. 7. Generate start condition. 1. End transmission / reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 4. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the data count of the SCI6 is 0, the deend result is set to NO. 2. The count of the SCI6 is 0, the deend result is set to NO. 3. The science of SCI6 is 0, the deend result is set to NO. 4. The science of SCI6 is 0, the deend result is set to NO. 4. The science of SCI6 is 0, the deend result is set to NO. 5. The science of SCI6 is 0, the deend result is set to NO. 6. The science of SCI6 is 0, the deend result is set to NO. 7. The science of SCI6 is 0, the deend result is set to NO. 8. The science of SCI6 is 0, the deend result is set to NO. 8. The science of SCI6 is 0, the deend result is set to NO. 9. The science of SCI6 is 0, the deend result is set to NO. 9. The science of SCI6 is 0, the deend result is set to NO. 9. The science of SCI6 is 0, the deend result is science of SCI6 is counted down. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the deend result is 0. 9. The science of SCI6 is 0, the science of SCI6 is 0, the science of SCI6 is counted down. 9. The science of SCI6 is 0, the science of SC	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None None None Non
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-6] req[13-9-3-7] req[13-9-3-8] req[13-10-1-1] req[13-10-2-2] req[13-11-1-1] req[13-11-1-4]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer interrupt processing Watchdog timer restart processing (sensor MCU) NC sensor RAM data initialization processing Initial value setting processing of concentration calculation data Confirm existence of TWA  Process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON  Convert ASCII OFF or ON to '0' or '1'.	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII OFF or ON to '0' or '1'  Convert ASCII OFF or ON to '0' or '1'	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission data received data Transmission flag Received data None None None None None None None ASCII (5) Concentration data with OFF_VAL ASCII (6) Concentration data with OFF_VAL ASCII data ASCII data	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. 6. Disable RX1 and ER1 interrupt requests. 7. Generate start condition. 1. Find transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the data count of the SCI6 is 0, the deen dresult is set to NO. 3. Returns the judgment result. 3. Returns the judgment result. 3. Returns the judgment result. 3. Returns the pudgment result. 4. Turnor SCI6 transmission reception end flag. 5. Set the delay count of the SCI6 is 0, the deen dresult is set to NO. 5. Turnor SCI6 transmission reception end flag. 6. Set the delay count of SCI6 is nO. the delay count of SCI6 is counted down. 7. Turnor SCI6 transmission reception end flag. 7. Set the delay count of SCI6 is nO. the delay count of SCI6 is counted down. 7. Shart transmission / reception. 7. Shart transmission / reception. 7. Shart transmission / reception. 8. Set the delay count of SCI6 is not. On the delay processing in the deend result. 8. When the deend result is OK, the following processings in the deend result. 9. Shart transmission / reception. 9. Returns the judgment result. 9. Initialize the watchdog timer. 9. No treatment. 1. Watchdog timer restart processing. 1. On is written, and then FFh is written and updated. 1. Initialize the energization flag of the element of the NC sensor. 2. Initialize ONF fammable sensor protection flag. 1. Perform initial value setting processing alarm is OFF, ON is returned. 1. When the comparison result is 0, the var	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None None None Non
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6] req[13-9-3-6] req[13-10-1-2] req[13-10-1-2] req[13-10-1-2] req[13-11-1-1] req[13-11-1-2] req[13-11-1-4] req[13-11-1-5]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing watchdog timer restart processing watchdog timer restart processing (sensor MCU)  NC sensor RAM data initialization processing of concentration calculation data  Confirm existence of TWA  Process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON  Convert ASCII OFF or ON to '0' or '1'  Processing of converting  Processing of converting  Processing of converting  Processing of converting data of OFF_VAL	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform IIC reception processing of SCI6  Perform liC reception processing of SCI6  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  An initial value setting process of data for concentration acticulation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None None Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission size Received data None None None None None None ASCII (S) Concentration data with OFF_VAL ASCII (S) Concentration data with OFF_VAL ASCII data ASCII data Concentration data with OFF_VAL Number	S. Set the IZC SCI6 transmistor receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and ERI interrupt requests. 7. Generate start condition.  1. End transmission reception of SCI6. 1. If the received data lamph of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the transmission reception end lang of SCI6 is SON, nop processing is executed. 3. Returns the judgment result. 4. When the transmission reception end flag. 2. Set the delay count of SCI6 to 20 maec. 4. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 to 20 maec. 4. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 to 20 maec. 4. If the delay count of SCI6 to 100 maec. 5. If the delay count of SCI6 to 100 maec. 6. If the delay count of SCI6 to 100 maec. 7. If the delay count of SCI6 to 100 maec. 8. If the delay count of SCI6 to 100 maec. 8. Set the delay count of SCI6 to 100 maec. 9. Set the delay count of SCI6 to 100 maec. 9. Set the delay count of SCI6 to 100 maec. 9. Set the delay count of SCI6 to 100 maec. 9. Set the delay count of SCI6 to 100 maec. 9. Set the delay count of SCI6 to 100 maec. 9. Set the delay count of SCI6 to 100 maec. 9. Set the delay of 100 maec. 9. Set the dela	Reception buffer actiness of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None None None The energization flag of the element of the NC semoor Lorg areagy ONUOFF setting flag flammable sersor protection flag Judgment result Concentration value
req[13-9-3-2] req[13-9-3-4] req[13-9-3-6] req[13-9-3-6] req[13-9-3-7] req[13-10-1-1] req[13-10-1-2] req[13-10-2-1] req[13-11-1-2] req[13-11-1-2] req[13-11-1-2] req[13-11-1-6] req[13-11-1-6] req[13-11-1-6]	SCIG raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer restart processing Watchdog timer restart processing Watchdog timer restart processing Watchdog timer restart processing (main MCU) Watchdog timer restart processing consor MCU Watchdog timer restart processing Initial value setting processing of concentration calculation data Confirm existence of TWA  Process of converting ASCII (6) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON  Convert ASCII OFF or ON to '0' or '1'  Processing of converting concentration data of OFF_VAL  ASCII (8) AS	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' o' '1' to OFF or ON  Convert ASCII OFF or ON to '0' or '1'  Perform processing of converting concentration data of OFF_VAL to ASCII (8)	Receive data length of SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Transmission data Transmission data received data Transmission size Receive size None None None None None None None ASCII (6) Concentration data with OFF_VAL ASCII data ASCII data Concentration data with OFF_VAL Number Decimal point	S. Set the IZC SCI6 transmission receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and REI interrupt requests. 7. Generate start condition.  1. Fird transmission reception of SCI6.  1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.  2. Increment the receive buffer address of SCI6.  3. Count down the number of data neceived by SCI6.  4. When the transmission reception end flag of SCI6 is SON, nop processing is executed.  5. When the transmission reception end flag of SCI6 is SON, nop processing is executed.  5. When SCI6 transmission reception end flag.  5. Set the delay count of SCI6 to 20 maec.  1. Turnon SCI6 transmission reception end flag.  5. Set the delay count of SCI6 is of the deend result is set to NG.  1. Set the delay count of SCI6 to 20 maec.  1. Turnon SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is not 0, the delay count of SCI6 is counted down.  1. Start transmission reception.  2. Set due to delay count of SCI6 is not 0, the delay count of SCI6 is counted down.  3. Set transmission reception.  3. Place the result of transmission reception delay processing in the deend result.  4. When the deend result is OK, the following processings 1 to 6 are executed.  5. Start transmission / reception.  6. Receive IIC6 data to slave device.  7. Place the receive of transmission reception delay processing in the deend result.  8. Returns the judgment result.  1. Initialize the such dolay in the selection of the NC sensor.  1. Initialize the such dolay in the selection of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Ini	Reception buffer actiress of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None The energization flag of the element of the NC sensor Lorg energy ONOFF setting flag Flammable sensor protection flag Judgment result  Concentration value  Judgment result  Judgment result  Judgment result
req[13-9-3-2] req[13-9-3-4] req[13-9-3-6] req[13-9-3-6] req[13-9-3-6] req[13-9-3-6] req[13-10-1-1] req[13-10-1-1] req[13-10-1-1] req[13-11-1-2] req[13-11-1-4] req[13-11-1-4] req[13-11-1-6]	SCIG raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer interrupt processing Watchdog timer restart processing Watchdog timer restart processing Watchdog timer restart processing (main MCU) Watchdog timer restart processing roman MCU) The season RMM data initialization processing to concentration calculation data Confirm wistence of TWA  Process of converting ASCII (6) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON  Convert ASCII OFF or ON to '0' or '1'  Processing of converting concentration data of OFF_VAL  Return pointer of character string from unit code	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Perform NC sensor RAM data initialization processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' o' '1' to OFF or ON  Convert ASCII OFF or ON to '0' or '1'  Perform processing of converting concentration data of OFF_VAL to ASCII (8)  Return pointer of character string from unit code	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None Delay count of SCI6 Transmission address Receiving address Receiving address Received address Rece	5. Set the IZC SCI6 transmission received flag and IZC SCI6 start stop flag. 6. Disable RX1 and REI interrupt requests. 7. Generate start condition. 1. First transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 4. When the transmission reception end flag of SCI6 is SON, nop processing is executed. 5. Returns the judgment result. 7. Turnon SCI6 transmission reception end flag of SCI6 is SON, nop processing is executed. 7. Turnon SCI6 transmission reception end flag. 7. Set the delay count of SCI6 is CO masc. 7. Turnon SCI6 transmission reception end flag. 7. Set the delay count of SCI6 is on the delay count of SCI6 is counted down. 7. Set the receive count of SCI6 is not 0, the delay count of SCI6 is counted down. 7. Set the delay count of SCI6 is not 0, the delay count of SCI6 is counted down. 7. Set the delay count of SCI6 is not 0, the delay count of SCI6 is counted down. 8. Set the delay count of SCI6 is not 0, the delay count of SCI6 is counted down. 9. Set of the data of IIC6 to the slave device. 9. Flace the result of transmission reception delay processing in the deend result. 9. When the deend result is OK, the following processings 5 to 6 are executed. 9. Start transmission / reception. 9. Returns the judgment result. 9. Treatment the pudgment result. 9. Initialize the emergication flag of the element of the NC sensor. 9. Initialize the emergication flag of the element of the NC sensor. 9. Initialize the emergication flag of the element of the NC sensor. 9. Initialize the emergication flag of the element of the NC sensor. 9. Initialize the emergication flag of the element of the NC sensor. 9. Initialize the emergication flag of the element of the NC sensor. 9. Initialize	Reception buffer actiress of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None The energization flag of the element of the NC sensor Lorg energy ONOFF setting flag Flammable sensor protection flag None Judgment result Concentration value Judgment result Judgment result None None None None None None None None
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6] req[13-9-3-6] req[13-9-3-6] req[13-10-1-2] req[13-10-1-2] req[13-11-1-1] req[13-11-1-3] req[13-11-1-4] req[13-11-1-6] req[13-11-1-6] req[13-11-1-6] req[13-11-1-7]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing watchdog timer interrupt processing watchdog timer restart processing (sensor MCU)  Watchdog timer restart processing of consor MCU)  NC sensor RAM data initialization processing of concentration calculation data  Confirm existence of TWA  Process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII (9' or '1' to OFF or ON  Convert ASCII (9' or '1' to OFF or ON to '0' or '1'  Processing of converting ASCII (8)  Return pointed of character string from unit code  Processing to convert LONG (HEX)	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' o' '1' to OFF or ON  Convert ASCII OFF or ON to '0' or '1'  Perform processing of converting concentration data of OFF_VAL to ASCII (8)	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission data received data Transmission size Received adata None None None None None ASCII (8) Concentration data with OFF_VAL ASCII (9) Concentration data with OFF_VAL ASCII data ASCII data Concentration data with OFF_VAL None Concentratio	S. Set the IZC SCI6 transmission receive flag and IZC SCI6 start stop flag.  6. Disable RX1 and REI interrupt requests. 7. Generate start condition.  1. Fird transmission reception of SCI6.  1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below.  2. Increment the receive buffer address of SCI6.  3. Count down the number of data neceived by SCI6.  4. When the transmission reception end flag of SCI6 is SON, nop processing is executed.  5. When the transmission reception end flag of SCI6 is SON, nop processing is executed.  5. When SCI6 transmission reception end flag.  5. Set the delay count of SCI6 to 20 maec.  1. Turnon SCI6 transmission reception end flag.  5. Set the delay count of SCI6 is of the deend result is set to NG.  1. Set the delay count of SCI6 to 20 maec.  1. Turnon SCI6 transmission reception end flag.  2. Set the delay count of SCI6 is not 0, the delay count of SCI6 is counted down.  1. Start transmission reception.  2. Set due to delay count of SCI6 is not 0, the delay count of SCI6 is counted down.  3. Set transmission reception.  3. Place the result of transmission reception delay processing in the deend result.  4. When the deend result is OK, the following processings 1 to 6 are executed.  5. Start transmission / reception.  6. Receive IIC6 data to slave device.  7. Place the receive of transmission reception delay processing in the deend result.  8. Returns the judgment result.  1. Initialize the such dolay in the selection of the NC sensor.  1. Initialize the such dolay in the selection of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Initialize the emergication flag of the element of the NC sensor.  1. Ini	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None The energization flag of the element of the NC sensor Long energy ONOFF setting flag Flammable sensor protection flag Judgment result  Concentration value  Judgment result  Judgment result  Judgment result
req[13-9-3-2] req[13-9-3-4] req[13-9-3-6] req[13-9-3-6] req[13-9-3-7] req[13-10-1-1] req[13-10-1-2] req[13-10-2-1] req[13-11-1-2] req[13-11-1-2] req[13-11-1-2] req[13-11-1-6] req[13-11-1-6] req[13-11-1-6]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing watchdog timer interrupt processing watchdog timer restart processing (sensor MCU)  Watchdog timer restart processing of consor MCU)  INC sensor RAM data initialization processing of concentration calculation data  Confirm existence of TWA  Process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON  Convert ASCII (9) Trocessing of concentration data of OFF_VAL  Convert ASCII (8) Representation of the concentration data of OFF_VAL  Return pointed of character string from unit code  Processing to convert LONG (HEX) data to ASCII	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liG reception processing of SCI6  Perform liG reception processing of SCI6  Perform liG reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  Perform NC sensor RAM data initialization processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON  Convert ASCII '0' or '1' to OFF or ON to '0' or '1'  Perform processing of converting concentration data of OFF_VAL to Convert ASCII OFF or ON to '0' or '1'  Return pointer of character string from unit code  Perform processing to convert LONG data to ASCII	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count of SCI6 Transmission address Receiving address Transmission address Transmission data received data Transmission size Received data Transmission size Received data None None None None None None ASCII (8) Concentration data with OFF_VAL ASCII (8) Concentration data with OFF_VAL SCII (8) Concentration data with OFF_VAL ASCII data ASCII data Loncentration data with OFF_VAL Number Decimal point String data Unit code LONG (HEX) data Number	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. C blassle RX1 and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the transmission reception end flag of SCI6 is On, nop processing is executed. 2. When the design count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is 0.0 the deend result is set to NG. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is counted down. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is not, but delay count of SCI6 is counted down. 1. Start transmission / Footbook of SCI6 is	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None The energization flag of the element of the NC sensor Long energy ON/OFF setting flag Flammable sensor protection flag None Judgment result Judgment result Judgment result Judgment result Judgment result None None None None None None None None
req[13-9-3-2] req[13-9-3-3] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6] req[13-9-3-6] req[13-9-3-6] req[13-10-1-2] req[13-10-1-2] req[13-11-1-1] req[13-11-1-3] req[13-11-1-4] req[13-11-1-6] req[13-11-1-6] req[13-11-1-6] req[13-11-1-7]	SCI6 raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer interrupt processing Watchdog timer restart processing Generor MCJU NC sensor RAM data initialization processing Initial value setting processing of concentration calculation data  Confirm existence of TWA  Process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII OFF or ON to '0' or '1'  Convert ASCII (8)  Return pointer of character string from unit code  Processing to convert LONG (HEX) data to ASCII  Convert ASCII data to HEX (Byte) data (Main MCU)	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception delay processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform delay count processing of SCI6  Perform liG reception processing of SCI6  Perform liG reception processing of SCI6  Perform watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  Perform NC sensor RAM data initialization processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII 'Or' 1' to OFF or ON  Convert ASCII OFF or ON to '0' or '1'  Perform processing of converting concentration data of OFF_VAL to ASCII.  Return pointer of character string from unit code  Perform processing to convert LONG data to ASCII  Convert ASCII data to HEX (Byte) data	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count of SCI6 Transmission address Receiving address Transmission address Transmission data received data Transmission size Received data Transmission size Received data None None None None None None ASCII (8) Concentration data with OFF_VAL ASCII (9) Concentration data with OFF_VAL SCII (9) Concentration data with OFF_VAL ASCII data ASCII data ASCII data Long HEXI data Number Decimal point String data Unit code LONG (HEXI) data Number Word count ASCII data as HEX (Byte) data The number of data The number of data	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. C. blassle RX1 and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the transmission reception end flag of SCI6 is On, nop processing is executed. 2. When the design count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is 0.0 the deend result is set to NG. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is counted down. 1. Turnor SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is counted down. 1. Start transmission / FCI6 is 20 mase. 2. Set the delay count of SCI6 is not, the delay count of SCI6 is counted down. 3. Place the result of ITCs to the Stave device. 3. Place the result of ITCs to the Stave device. 3. Place the result of ITCs start transmission reception delay processing in the deend result. 5. Start transmission / reception. 6. Roceive IIC6 data to slave device. 7. Place the result of transmission reception delay processing in the deend result. 8. Returns the judgment result. 1. Initialize the watchdog timer.  No treatment. 1. Watchdog timer restart processing. 1. Only is written, and then FFh is written and updated. 1. Initialize the energization flag of the element of the NC sensor. 2. Initialize ONCH Festing flag of long energy. 3. Initialize the flammable sensor protection flag. 1. Initialize the General Result is 1 for the variable in the address of U_CHR is set to the result CFF concentration. 2. When the comparison result is 1 for the variable within the address of U_CHR, the result is set to the checked is 0'I, thur the judgment	Reception buffer actiress of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None The energization flag of the element of the NC sensor Lorg energy ONOFF setting flag Flammable sensor protection flag None Judgment result Concentration value Judgment result Judgment result None None None None None None None None
rea[13-9-3-2] rea[13-9-3-3] rea[13-9-3-4] rea[13-9-3-5] rea[13-9-3-6] rea[13-9-3-6] rea[13-9-3-6] rea[13-10-1-1] rea[13-10-1-2] rea[13-10-1-2] rea[13-11-1-2] rea[13-11-1-4] rea[13-11-1-6] rea[13-11-1-6] rea[13-11-1-6] rea[13-11-1-6] rea[13-11-1-6]	SCIG raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer processing watchdog timer restart processing Watchdog timer restart processing Watchdog timer restart processing watchdog timer restart processing Conformation of Watchdog timer addition of the concentration calculation data Conformation of Watchdog timer addition of the concentration calculation data Conformation of Watchdog timer sessart processing  Initial value setting processing of concentration data of OFF_VAL  Convert ASCII OFF or ON to '0' or '1'  Processing of converting ASCII (6) to concentration of the data of OFF_VAL  Return pointer of character string from unit code Processing to convert LONG (HEX) data to ASCII data to HEX (Byte) data (Main MCU)  Convert JSHORT data to ASCIII	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liG reception processing of SCI6  Perform liG reception processing of SCI6  Perform liG reception processing of SCI6  Initialize the watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  Perform NC sensor RAM data initialization processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII '0' or '1' to OFF or ON  Convert ASCII '0' or '1' to OFF or ON to '0' or '1'  Perform processing of converting concentration data of OFF_VAL to Convert ASCII OFF or ON to '0' or '1'  Return pointer of character string from unit code  Perform processing to convert LONG data to ASCII	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None None Delay count of SCI6 Transmission address Receiving address Transmission address Receiving address Receives size None None None None None None None ASCII data ASCII data ASCII data  ASCII data Concentration data with OFF_VAL Number Delay data Unit code LONG (HEX) data Number word count ASCII data LONG (HEX) data Number word count ASCII data The number of data Number word count ASCII data The number of data Number word count ASCII data The number of data Number word count ASCII data The number of data Number word count ASCII data The number of data Number word count	S. Set the IZC SCI6 transmission received flag and IZC SCI6 start stop flag.  6. Issable RX1 and ERI interrupt requests. 7. Generate start condition. 1. Find transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 3. Returns the judgment result. 4. Turnon SCI6 transmission reception end flag of SCI6 is ON, nop processing is executed. 5. Set the delay count of SCI6 is OZ omace. 6. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is OZ omace. 6. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is OZ omace. 6. Turnon SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is on the delay count of SCI6 is counted down. 6. If the delay count of SCI6 is on the delay count of SCI6 is counted down. 7. Is the delay count of SCI6 is on the delay count of SCI6 is counted down. 8. Is the delay count of SCI6 is on the delay count of SCI6 is counted down. 8. Seat the delay count of SCI6 is on the delay processing in the deend result. 9. However the science of the science device. 9. Shade the result of transmission reception delay processing in the deend result. 9. When the deend result is OK, the following processings in the deend result. 9. Returns the judgment result. 9. Initiatize the science of transmission reception delay processing in the deend result. 9. Returns the judgment result. 9. Initiatize the flamminum transmission reception delay processing in the deend result. 9. Initiatize the flamminum transmission reception delay processing in the deend result. 9. Initiatize the flamminum transmission reception delay processing in the deend result. 9. Initiatize the flamminum transmission reception delay processing in the deend result. 9. Initiatize the flamminum transmission	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None The energization flag of the element of the NC sensor Long energy ON/OFF setting flag Flammable sensor protection flag None Judgment result Judgment result Judgment result Judgment result Judgment result None None None None None None None None
req[13-9-3-2] req[13-9-3-4] req[13-9-3-5] req[13-9-3-7] req[13-9-3-7] req[13-10-1-1] req[13-10-1-1] req[13-10-1-2] req[13-10-1-1] req[13-11-1-4] req[13-11-1-4] req[13-11-1-6] req[13-11-1-6] req[13-11-1-6] req[13-11-1-6] req[13-11-1-6] req[13-11-1-6]	SCIG raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCI6  IIC reception processing of SCI6  IIC reception processing of SCI6  Watchdog timer initialization processing Watchdog timer processing for science flag of the start flag of the science MCIU  Watchdog timer restart processing Watchdog timer restart processing Watchdog timer restart processing Consent MCIU  NC sensor MCIU  NC sensor MCIU  NC sensor ANAI data initialization processing concentration calculation data  Confirm existence of TWA  Process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII OFF or ON to '0' or '1'  Processing of converting ASCII (8)  Frocessing of converting the concentration data of OFF_VAL to ASCII (8)  Frocessing to convert LONG (HEX) data (Main MCU)  Convert LSHORT data to ASCII of the Convert Valki (5) (Main MCU)  Froceives the value of 1 or 0 and	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception start flag processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liC reception processing of SCI6  Perform liC reception processing of SCI6  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Confirm wother than the second of the	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count of SCI6 Transmission address Receiving address Transmission address Transmission data received data Transmission size Received data Transmission size Received data None None None None None None ASCII (8) Concentration data with OFF_VAL ASCII (9) Concentration data with OFF_VAL SCII (9) Concentration data with OFF_VAL ASCII data ASCII data ASCII data Long HEXI data Number Decimal point String data Unit code LONG (HEXI) data Number Word count ASCII data as HEX (Byte) data The number of data The number of data	S. Set the IZC SCI6 transmit receive flag and IZC SCI6 start stop flag. 6. Ibsale RX1 and ERI interrupt requests. 7. Generate start condition. 1. Find transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the transmission reception end flag of SCI6 is ON, nop processing is executed. 2. When the design count of the SCI6 is 0, the deend result is set to NG. 1. Turnen SCI6 transmission reception end flag of SCI6 is ON. 2. Set the delay count of SCI6 is On the deend result is set to NG. 1. Turnen SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is On mace. 1. Turnen SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is of one. 1. Turnen SCI6 transmission reception end flag. 2. Set the delay count of SCI6 is of one. 1. Set the science of SCI6 is not 0, the delay count of SCI6 is counted down. 2. Set the delay count of SCI6 is of one. 2. If the delay count of SCI6 is of one. 3. If the delay count of SCI6 is of one. 3. Set the delay count of SCI6 is one of the science device. 3. Place the result of transmission reception delay processing in the deend result. 4. When the deend result is OK, the following processings 5 to 6 are executed. 5. Start transmission / reception. 6. Roceive IIC6 data to slave device. 7. Place the result of transmission reception delay processing in the deend result. 8. Returns the judgment result. 1. Initialize the such does in the science of the SCI6 is counted down. 1. Initialize the developed in transmission reception delay processing in the deend result. 1. Initialize the amendating start is set to the NC sensor. 2. Initialize ONO Hamman of the result of the NC sensor. 3. Initialize the flamman of the sensor processing. 4. Perform initial value setting processing of concentration calculation data. 5. If the setting is ON and the integrating alarm is	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None The energization flag of the element of the NC sensor Long energy CNIOFF setting flag Flammable sensor protection flag None Judgment result Judgment result Judgment result Judgment result None None None None None None None None
req[13-9-3-2] req[13-9-3-4] req[13-9-3-5] req[13-9-3-6] req[13-9-3-7] req[13-9-3-8] req[13-10-1-2] req[13-10-1-2] req[13-11-1-1] req[13-11-1-1] req[13-11-1-4] req[13-11-1-5] req[13-11-1-6] req[13-11-1-6] req[13-11-1-8] req[13-11-1-8] req[13-11-1-9] req[13-11-1-1]	SCIG raceive interrupt handling  Transmission reception delay processing  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Transmission reception start flag  Delay count processing of SCIG  IIC reception processing of SCIG  Watchdog timer initialization processing Watchdog timer processing for science flag watchdog timer restart processing Watchdog timer restart processing Watchdog timer restart processing Watchdog timer restart processing Consort MCIU  NC sensor RAM data initialization processing Initial value setting processing of concentration calculation data  Confirm existence of TWA  Process of conventing ASCII (6) to concentration data of OFF_VAL  Convert ASCII OFF or ON to '0' or '1'  Processing of conventing ASCII (6) to concentration data of OFF_VAL  Convert ASCII OFF or ON to '0' or '1'  Processing of conventing ascing to the processing of conventing on construction of the processing to convent LONG (HEX) data (Main MCU)  Convert ASCII data to HEX (Byte) data (Main MCU)  Convert VSHORT data to ASCII of U and MCO or	Perform reception interrupt processing of SCI6  Perform transmission reception delay processing  Performs transmission reception delay processing  Performs transmission reception start flag processing  Performs delay count processing of SCI6  Perform liG reception processing of SCI6  Perform liG reception processing of SCI6  Perform liG reception processing of SCI6  Perform watchdog timer  Perform watchdog timer interrupt processing  Watchdog timer restart processing  Watchdog timer restart processing  Watchdog timer restart processing  Perform NC sensor RAM data initialization processing  An initial value setting process of data for concentration calculation is performed  Confirm existence of TWA  Perform process of converting ASCII (8) to concentration data of OFF_VAL  Convert ASCII 'O' or '1' to OFF or ON  Convert ASCII 'OFF or ON to '0' or '1'  Perform processing of converting concentration data of OFF_VAL and of OFF_VAL and of OFF_VAL of OFF or ON  Return pointer of character string from unit code  Perform processing to convert LONG data to ASCII Convert ASCII data to HEX (Byte) data  Convert U_SHORT data to ASCII data of U_CHR [5]	Receive data length of SCI6 Number of data received by SCI6 Number of data received by SCI6 Transmission reception end flag Delay count None None None None Delay count of SCI6 Transmission address Receiving address Transmission data received data Transmission size Received data Transmission size Received data None None None None None None None ASCII (8) Concentration data with OFF_VAL ASCII (9) Concentration data with OFF_VAL SIGNIG Concentration data with OFF_VAL ASCII data ASCII data ASCII data Long GHEX) data Number Decimal point String data Unit code LONG (HEX) data Number ASCII data as HEX (Byte) data The number of data Number String pointer	S. Set the IZC SCI6 transmir receive flag and IZC SCI6 start stop flag. C blassle RX1 and ERI interrupt requests. 7. Generate start condition. 1. End transmission reception of SCI6. 1. If the received data length of SCI6 is larger than the received data number of SCI6, execute processes 2 and 3 below. 2. Increment the receive buffer address of SCI6. 3. Count down the number of data neceived by SCI6. 3. When the transmission reception end flag of SCI6 is On, nop processing is executed. 2. When the design count of the SCI6 is 0, the deend result is set to NG. 3. Returns the judgment result. 1. Turnor SCI6 transmission reception end flag. 2. Set the design count of SCI6 is 0.0 the deend result is set to NG. 3. Returns the judgment result. 1. Turnor SCI6 transmission reception end flag. 2. Set the design count of SCI6 is nO to the design count of SCI6 is counted down. 1. Turnor SCI6 transmission freception end flag. 2. Set the design count of SCI6 is nO to the design count of SCI6 is counted down. 1. Start transmission / Footbook of SCI6 is	Reception buffer address of SCI6 Number of data received by SCI6 Judgment result  Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Delay count of SCI6 Judgment result  None None None None None None Judgment result  Concentration value Judgment result  Judgment result  Judgment result  Judgment result  Judgment result  None None None None None None None Non

	Compare variables is address	Desfere verieble compositore processing within	Deinter address of comparison destination	4 Compare ture veriables	Composione social
req[13-11-1-13]	Compare variables in address of U_CHR (Main MCU)	Perform variable comparison processing within the address of U_CHR	Pointer address of comparison destination Pointer address of comparison source Comparison size	Compare two variables.     When the comparison result matches, the comparison result is made coincident.     Count up two variables.     Return comparison result.	Comparison result
req[13-11-1-14]	Copy variable in address of U_CHR (Main MCU)	Perform variable copy processing within the address of U_CHR	Matrix address Characters (numbers) Number of characters (maximum 8 digits)	Place the source variable in the destination variable.     Count up two variables.	None
req[13-11-1-15]	Create display of ON/OFF menu	Perform display creation processing of ON/OFF menu	Decimal point ON/OFF setting flag	Create character data corresponding to ON, OFF.     Flash character data.	Pointer address of display creation data
req[13-11-1-16]	Convert HEX (Byte) data to ASCII data (Main MCU)	Convert HEX (Byte) data to ASCII data	ASCII data as HEX (Byte) data The number of data	Convert HEX data 'A' to 'F' to ASCII data.     Count the converted number.	Convertion value
		Convert U_CHR (up to 8 bytes) ASCII data to U_LNG data Perform processing		Return ASCII data.     When the number of characters is 8, set U_LNG data to OFF concentration.     If the character string pointer is '+' or '-', set the buffer to 0 and count up the character.	U_LN data
req[13-11-1-17]				string pointer.  3. Set U_LNG data to 0.  4. Set the digit to 1.  5. The value millplied by the buffer and the digit is added to the U_LNG data.  6. Multiply digits by 10.  7. The value millplied by the buffer and the digit is added to the U_LNG data.	
	Convert ASCII data to DEC (U_LNG) data	Convert ASCII data to DEC (U_LNG) data	ASCII data Assignment pointer	Return U_LNG data.     Convert ASCII data to DEC data.     Return DEC data.	DEC data
req[13-11-1-19]	Convert ASCII data to HEX (Byte)	Convert ASCII data to HEX (Byte) data	The number of data ASCII data as HEX (Byte) data	If the size of the ASCII data is 2, convert it to 2 bytes of HEX data.	None
req[13-11-1-20]	data (Sensor MCU)  Convert U_SHORT data to ASCII data of U_CHR [5]	Convert U_SHORT data to ASCII data of U_CHR [5]	The number of data  Number String pointer	When the size of the ASCII data is 4, convert it into 4-byte HEX data.     Convert to ASCII data in the order of 10000, 1000, 100, 10, and 1.	None
req[13-11-1-21]	Compare variables in address of U_CHR (Sensor MCU)	Perform variable comparison processing within the address of U_CHR	Pointer address of comparison destination Pointer address of comparison source Comparison size	Compare two variables.     When the comparison result matches, the comparison result is made coincident.     Count up two variables.     Return comparison result.	Comparison result
req[13-11-1-22]	Copy variable in address of U_CHR (Sensor MCU)	Perform variable copy processing within the address of U_CHR	Copy destination pointer address Address copy source pointer address Copy size	Place the source variable in the destination variable.     Count up two variables.	None
req[13-11-1-23]	Copy by inverting variable in U_CHR address	Make a copy by inverting the variable in the address of U_CHR	Copy destination pointer address Address copy source pointer address	Place the inverted copy source variable in the copy destination variable.     Count up two variables.	None
req[13-11-1-24]	Copy the variable in U_CHR address to U_SHORT	Copy variables in U_CHR address to U_SHORT	Copy size  Copy destination pointer address  Address copy source pointer address	Copy source variable cast to U_SHORT is copied.     Count up two variables.	None
req[13-11-1-25]	Copy variable in address of U_SHORT	Perform variable copy processing within the address of U_SHORT	Copy size Copy destination pointer address Address copy source pointer address Copy size	Place the source variable in the destination variable.     Count up two variables.	None
req[13-11-1-26]	Convert HEX (Byte) data for dump to ASCII data	Convert HEX (Byte) data for dump to ASCII data	Copy size HEX (Byte) data for dump The number of data	1. Convert HEX data 'A' to 'F' to ASCII data. 2. Count the converted number. 3. Return ASCII data \$\frac{\pi}{2}\$.	Convertion value
req[13-11-1-27]	Convert HEX (Byte) data to ASCII data (Sensor MCU)	Convert HEX (Byte) data to ASCII data (Sensor MCU)	HEX (Byte) data The number of data	Convert HEX data 'A' to 'F' to ASCII data.     Count the converted number.	Convertion value
req[13-11-1-28]	Convert HEX (Byte) data to SHORT ASCII data	Convert HEX (Byte) data to SHORT ASCII data	HEX (Byte) data The number of data	Return ASCII data.     Convert the HEX data (0x0041' to '0x0046' to ASCII data.     Count the converted number.	Convertion value
	Increase or decrease the numerical value	Perform increase or decrease the numerical value	Change number Digit	Return ASCII data.     If the following conditions 2 to 4 are satisfied, put the minimum value in the change value.	Change number
req[13-11-1-29]			Maximum value minimum value OFF concentration setting Change flag	2. OFF concentration is ON. 3. It does not have to increase or decrease. 4. The change value is OFF concentration. 5. When the following conditions 6 to 9 are satisfied, the digit is subtracted from the change value. 6. OFF concentration is ON. 6. Change value. 6. Change value is not OFF concentration. 6. Change value is greater than digit. 9. The value obtained by subtracting the digit from the change value is larger than the minimum value. 10. Return change value.	
req[13-11-1-30]	Change numeric value to character (CHR) data	Change numeric value to character (CHR) data	Matrix address Characters (numbers) word count	If the number is greater than 0, divide that number by 10.     Break when the number is less than 0.     Change numeric value to character data.	None
req[13-11-1-31]	Changed numeric value to signed (CHR) data	Change processing of numeric value to signed (CHR) data	Decimal point  Matrix address Characters (numbers)	If there is a number, put the matrix address to put the character in the symbol address.     Change numeric value to character (CHR) data.	None
req[13-11-1-32]	Changed numeric value to character (CHR) data with zero added with dot added	Change the numeric value to character (CHR) data with zero added by adding dots	Number of characters (maximum 8 digits) Decimal point  Matrix address to add characters Characters (numbers) word count	Insert '+ in symbol address.  If the number starts from 0, add the value obtained by dividing the number by 10 and add '0 to the buffer and divide the value by 10.  If the buffer is bank, put 'i in the buffer.	Matrix address
req[13-11-1-33]	Changed numeric value to character (SHORT) data with zero added with dot added	Character (SHORT) data with zero added with dot addedChange processing to	Decimal point  Matrix address to add characters Characters (numbers) word count Decimal point	3. Put the buffer in the matrix address. 4. Count up the matrix address. 1. If the number starts from 0, add the value obtained by dividing the number by 10 and add '01 to the buffer and divide the value by 10. 2. If the buffer is Dank, put 1' in the buffer. 3. Put the buffer in the matrix address. 4. Count up the matrix address. 4. Count up the matrix address.	Matrix address
req[13-11-1-34]	Change numeric value to character (SHORT) data	Change numeric value to character (SHORT) data	Matrix address Characters (numbers) word count Decimal point	If the number is greater than 0, divide that number by 10.     Break when the number is less than 0.     Change numeric value to character data.	None
req[13-11-1-35]	Command receive RAM data initialization processing	Perform command receive RAM data initialization processing	None	Initialize the receiving buffer.     Initialize the seministion buffer.     Initialize to the receive buffer for driver.     Initialize to the receiption count.     Receive end command Initialize save destination.     Receive end command Initialize save destination.     Receive end command Initialize save destination.	Receiving buffer Transmit buffer 1 byte receive buffer for driver Count for reception Receive end command save destination
req[13-11-1-36]		Acquire ZIPC address change address  Perform numeric item upper limit selection	None	Return the address of the ZIPC numeric value changing variable.      Execute up / down change setting of the values of selection 2 to 6 below.	Address of ZIPC numeric value changing variable  Up / down change of numerical value of
req[13-11-1-37]	processing	processing  Jump to address	None	2. Selection within mode. 3. Selection within submode. 4. Selection within seting lend. 5. Selection within seting item. 6. Selection within setting item. 1. Jump to address (using assembler).	selection of each mode (item) ON/OFF
req[13-11-1-39]	H2 gas measurement presence/absence acquisition process	Perform H2 gas measurement presence/absence acquisition process	Gas channel Gas number Gas name	I. Jump to aduriess (using assertions).     I. Initialize the result flags.     Z. Turn ON the result flag when the measurement gas name is H2.     Return result flag.	Result flag
req[13-11-1-40]	1 second interrupt for display	Perform 1 second interrupt for display	None	<ol> <li>Set 0 if the toggle counter is 1.</li> <li>Set to 0 if the 2-second flicker count for display is greater than or equal to the upper limit.</li> <li>Set to 0 if the display 3-second flicker count is greater than or equal to the upper limit.</li> <li>Set to 0 if the 4-second flicker count for display is greater than or equal to the upper limit.</li> </ol>	2 second flicker count for display 3-second flicker count for display 4 second flicker count for display
req[13-11-1-42]	Display flicker count 2 seconds 2 Display flicker count 2 seconds 3	Perform display flicker count 2 seconds 2 types Perform display flicker count 2 seconds 3 types	None None	2. Set 1 if the toogle counter is 0.  1. Return the 2-second flicker count for display.  1. Return the 3-second flicker count for display.	2-second flicker count for display 3-second flicker count for display
req[13-11-1-43] req[13-12-1-1]	Display flicker count 2 seconds 4 Clock generator initialization processing (main MCU)	Perform display flicker count 2 seconds 4 types Initialize the clock generator	None None	Return the 4-second flicker count for display.     Initialize the clock generator.	4-second flicker count for display None
req[13-12-1-2]	Clock generator initialization processing (Sensor MCU)	Initialize the clock generator	None	Initialize the clock generator.	None
req[13-12-1-3] req[13-12-1-4]	Reset processing Hardware setting initialization processing	Perform reset processing Perform initialization processing of hardware setting	None None	Set RESF.     Implement the function R_Systeminits.	None None
req[13-12-1-5]	Macro initialization processing Main function implementation processing (main MCU)	Perform macro initialization processing Implement the main function	None None	Initialize all macros.     Implement the function R_MAIN_UserInit.     Implement the function Hardware Setup.	None None
req[13-12-1-7]	main function implementation processing (Sensor MCU)	Implement the main function	None	Execute function Main_Process.     In Implement the function R_MAIN_UserInit.     Execute function Main_Process.	None
req[13-12-1-8]	Additional processing of user code (main MCU) before implementing main function	Add user code before implementing main function	None	Disable protection bit.     Restore the state before the protection register.	None
req[13-12-1-9]	Additional processing of user code (Sensor MCU) before implementing	Add user code before implementing main function	None	No treatment.	None
req[13-12-1-10]	main function  Reset PC Power on process	Reset the PC Perform power on processing	None	Initialize section.     Set the hardware to use.     Set PSW.	None
req[13-12-1-11]	Hardware setting initialization processing	Perform initialization processing of hardware setting	None	Set PSW.     Initialize the hardware settings.	None
req[13-12-1-12] req[13-13-1-1]	LVD initial setting process (main	Perform macro initialization processing Initialize the voltage detection circuit function	None None	Initialize all macros.     Set the voltage detection 1 permission bit (LVD1E) to "voltage detection 1 circuit	None None
req[13-13-1-2]	MCU) LVD function started (main MCU)	Activate the voltage detection circuit function	None	disabled"  1. Get the status of the protect register 2. Set PRC3 of the protect register to "write permission"  2. Set PRC3 of the protect register to "write permission"  3. Set the voltage detection 1 permission bit (LVD1E) to "voltage detection 1 circuit snabled"  4. Wait only for VD operation stabilization time  5. Set the voltage monitoring 1 circuit comparison result output permission bit (LVD1CMPE) to "voltage monitoring" of circuit comparison result output permission"  6. Return to the state where the protect register was acquired in process 1.	None

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req[13-13-1-3]	LVD function stopped (main MCU)	Stop the voltage detection circuit function	None	1. Get the status of the protect register 2. Set PRC3 of the protect register to "write permission" 3. Set the voltage monitoring 1 circuit comparison result output permission bit (LVD1CMPE) to "voltage monitoring" in circuit comparison result output prohibited" 4. Set the voltage detection 1 permission bit (LVD1E) to "voltage detection 1 circuit	None
				disabled"  5. Return to the state where the protect register was acquired in process 1.	
req[13-13-1-4]	Voltage detection circuit control start processing (main MCU)	Starts the voltage detection circuit control process	None	Perform "LVD function start"     Initialize the power supply voltage error delay counter	None
req[13-13-1-5]	Voltage detection circuit control stop processing (main MCU)	Stop the voltage detection circuit control process	None	Perform "LVD function stop"	None
	Voltage detection circuit control 250msec self-diagnosis processing	Monitor the power supply voltage every 250 msec	None	<ol> <li>Add 1 to the error delay counter</li> <li>If the voltage detection flag is VCC ≥ Vdet1, initialize the error occurrence delay counter</li> </ol>	None
req[13-13-1-6]	(main MCU)			to 0.  3. If the error occurrence delay counter is 20 or more, perform the following processes 4 to	
				Set the error delay counter to 20     Set the theoretic area flow to 20 (Abornists area become there is no count size of the counter to 20).	
	LVD initial setting process (sensor	Initialize the voltage detection circuit function	None	Set the thermistor error flag to ON (thermistor error because there is no power circuit error)     1. Disable LVD interrupts (LVIMK = 1)	None
req[13-13-1-7]	MCU)	minualize the voltage detection circuit function	INGIE	2. Clear the LVD interrupt flag (LVIIF = 0) 3. Set the priority of LVD interrupts to low (LVIPR1 = 1, LVIPR0 = 1)	INGIE
req[13-13-1-8]	LVD interrupt processing (sensor Power supply voltage monitoring	Interrupt processing of voltage detection circuit Initialize the power supply voltage monitoring circuit	None None	Since the interrupt function is not used, only multiple interrupts are enabled.     Initialize the power supply voltage error delay counter.	None None
req[13-13-1-9]	circuit control RAM data initialization processing (sensor MCU)	control	Teorie	1. Initialize the period supply voltage error daily estation	T Control of the Cont
	Power supply voltage monitoring circuit control 250msec processing	Monitor the power supply voltage monitoring circuit every 250 msec	None	Initialize the OUTPUT value to "normal"     Add 1 to the error delay counter	Check result
req[13-13-1-10]	(sensor MCU)			3. If the voltage detection flag is power supply voltage (VDD) -detection voltage (VLVD), initialize the error occurrence delay counter to 0.  4. If the error occurrence delay counter is 20 or more, perform the following processes 5 to 6.  5. Set the GVITPUT value to "abromma".	
req[13-14-1-1] req[13-14-1-2]	Initializes the DA converter Enables the DA0 converter	Perform initializes the DA converter Perform enables the DA0 converter	None None	Initializes the DA converter.     Enables the DA0 converter.	None None
req[13-14-1-3] req[13-14-1-4]		Perform stops the DA0 converter Perform sets the DA0 converter value	None Value of conversion	Stops the DA0 converter.      Sets the DA0 converter value.	None None
req[13-14-1-5]	DA initialization processing	Perform DA initialization processing	None	Initialize 12bitDA.     Initialize the output percentage value.	Output percentage value
log[10 14 1 0]	DA startup process	Perform DA startup process	None	Start DAO.  Start DAO.  Start DAO.  Start DAO.  Start DAO.	None
req[13-14-1-6]				Set 12bitDA delay timer.     Start 12bitDA.	
req[13-14-1-7]	DA stop processing	Perform DA stop processing	None	1. Exit 12bitDA. 2. Stop DA0.	None
	DA output setting processing	Perform DA output setting processing	Set request output percentage	If the set request output percentage exceeds the maximum value, clip at the maximum value.	None
req[13-14-1-8]				Convert the set request output percentage to a register value.     Set a value in the DA0 register.	
seefec start	Process for converting percentages to	Perform process for converting percentages to	Output percentage	Set 12bitDA delay timer.  1. Convert output percentage to register value.	Register value
req[13-14-1-9]	register values  DA self-diagnostic initialization	register values  Perform DA self-diagnostic initialization process	None Output percentage	I. Convert output percentage to register value.      Initialize the delay timer.	Delay timer
req[13-14-1-10] req[13-14-1-11]	process  DA self-diagnosis start/stop process	Perform DA self-diagnosis start/stop process	Request flag	Initialize the detay timer.     Initialize the active flag.      Assign the request flag to the active flag.	Active flag Active flag
req[13-14-1-12]	DA self-diagnosis delay timer setting processing	Perform DA self-diagnosis delay timer setting processing	None	Assign the request ring to the delay timer.  Assign the delay time to the delay timer.	Delay timer
req[14-1-1-1]	Acquisition processing of FRAM_AR_DATA	Acquire address processing of FRAM_AR_DATA	None	Return the address of FRAM_AR_DATA.	Alarm data for reset
req[14-1-1-2]	Acquisition processing of CHK_DATA	Acquire address processing of CHK_DATA	None	Return the address of CHK_DATA.	Data group requiring sum check
req[14-1-1-3]	LOAD processing for FRAM data	Perform LOAD processing for FRAM data	Assignment buffer of specified area	Read the first 64 bytes of the specified area.     Read the past 64 bytes of the specified area.	Judgment result
req[14-1-1-4]	communication dump  Address acquisition processing of FRAM_DATA	communication dump Acquire address processing of FRAM_DATA	Where to get the designated area None	Read the next 64 bytes of the specified area.     Return the address of FRAM_DATA.	Nonvolatile data
req[14-1-1-5]	Acquisition processing of	Acquire address processing of FRAM_LB_DATA	None	Return the address of FRAM_LB_DATA.	Lunch break data
req[14-1-1-6]	FRAM_LB_DATA Acquisition processing of	Acquire address processing of FRAM_ST_ID_DATA	None	Return the address of FRAM_ST_ID_DATA.	Station ID data
	FRAM_ST_ID_DATA Acquisition processing of	Acquire address processing of	None	Return the address of FRAM_USER_ID_DATA.	User ID data
req[14-1-1-7]	FRAM_USER_ID_DATA Acquisition processing of	FRAM_USER_ID_DATA  Acquire address processing of DATA_LOGGER	None	Return the address of DATA_LOGGER.	Data logger data
req[14-1-1-8]	DATA_LOGGER FRAMID data LOAD processing	Perform FRAMID data LOAD processing	None		Judgment result
req[14-1-1-9]				Read specified byte to FRAM.     Reset the watchdog timer.	
req[14-1-1-10]	Address setting of nonvolatile memory	Perform address setting of nonvolatile memory	None	Set the address of FRAM data for gas_calc. c.     Set the address of FRAM data for data_detector. c.     Set the address of FRAM data for data_detector.	Address of FRAM data for gas_calc. c Address of FRAM data for data_detector. c
req[14-1-1-11]	FRAM Select the plane shipping factory data and read it	FRAM Select surface from shipping factory and perform reading process	Nonvolatile memory record data address Numerical value (A side B side) judgment flag Size of structure of nonvolatile memory recorded data	S. Set the address of FRAM data for data_logger. c.     Read specified byte read processing result into FRAM and read it into result.     Real set the watchdog timer.     Read read to the control of the control	Address of FRAM data for data_logger. c Judgment result
.eq[:4-1-1-11]	EDAM lunch beach date 's services	CDAM lunch brook date in extents of the control of	Specified byte read processing in FRAM Nonvolatile memory recorded data SUM value FRAM factory shipping data SUM calculation result	5. Return reading results.	Judament result
	FRAM lunch break data is selected and read in face	FRAM lunch break data is selected for surface and reading processing is performed	Address of lunch break data Numerical value (A side B side) judgment flag Size of lunch break structure	Read specified byte read processing result into FRAM and read it into result.     Reset the watchdog timer.     Realculate the check SUM value.	Juogment result
req[14-1-1-12]	Read specified byte in FRAM	Read specified byte in FRAM	Size of funch break structure Specified byte read processing in FRAM FRAM funch break SUM calculation result Lunch break SUM value Read address	Necadculate the check SUM value.     If the result of recalculation is inconsistent, make the reading result NG.     Return reading results.      If the result of readculation is inconsistent, make the reading result NG.     If the read data is M_FRAM_STACK_SIZE or less, execute the following.	Judgment result
req[14-1-1-13]	(until M_FRAM_STACK_SIZE)		Read size Write data	processing 2 to 4.  2. Insert memory data read address into FRAM transmit data  3. Read FRAM data.  4. Copy write data to.	
req[14-1-2-1]	FRAM write start flag acquisition processing	Perform FRAM write start flag acquisition processing	None	Return write request flag.	Write request flag
req[14-1-2-2]	FRAM (ID data part) update processing	Perform FRAM (ID data part) update processing	ID ID list number	When FROM / RAM / FRAM is normal, update FRAM (ID data) is executed.     When FRAM (ID data) update execution processing is NG, turn on the FRAM write	None
	FRAM data LOAD processing	Perform FRAM data LOAD processing	Main unit error status  Number of writes	The start flag.  1. Read two FRAM inverted value data.	Judgment result
req[14-1-2-3]	owi data COAD processing	Train data Lond processing	Number of whites Size of structure of nonvolatile memory recorded data Surface setting	Need under Proving in Vision     American Control of Control	Danger Olik 1904K
req[14-1-2-4]	FRAM write start flag ON processing	turn on FRAM write start flag	None Numerical value of surface (A side R side)	Set the write request flag to 1.	None Surface status (front or conceits)
	Write FRAM factory shipping data into designated bytes and write	Divide the FRAM factory shipping data into specified bytes and write	Numerical value of surface (A side B side) Nonvolatile memory record data structure size	Place the inverted value of FRAM_DATA in the fram_back.     Initialize pointer.     Secretive the side is be united.	Surface status (front or opposite)
req[14-1-2-5]			Number of writes	3. Specify the side to be written. 4. Write data. 5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data. 6. Writing the write count. 7. Return data write. 7. Return data write.	
req[14-1-2-6]	Write data of FRAM (ID)	Write data of FRAM (ID)	Address of lunch break data	Initialize pointer / size / write destination address.     Write data.	Judgment result
req[14-1-2-7]	Batch writing of FRAM ID data	Batch writing of FRAM ID data	User ID	Write data.     In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data.	Judgment result
	Write data of FRAM divided by	Divide FRAM data into designated bytes and write	Numerical value of surface (A side B side)	Place the inverted value of FRAM_DATA in the fram_back.	Surface status (front or opposite)
1				Initialize pointer.	ĺ
req[14-1-2-8]	specified byte		Structure size of nonvolatile memory recorded data Number of writes	3. Specify the side to be written. 4. Write data. 5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data. 6. Writing the write count. 7. Return data.	
req[14-1-2-8]	Frame data of FRAM is selected	Frame data of FRAM is selected for	data Number of writes FRAM data size	4. Write data. 5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data. 6. Writing the write count. 7. Return data write. 1. Read specified byte read processing result into FRAM and read it into result.	Judgment result
req[14-1-2-8]		Frame data of FRAM is selected for surface reading processing	data Number of writes  FRAM data size Numerical value (A side B side) judgment flag recorded data Specified byte read processing in FRAM Nonvokatile memory recorded data SUM value	Write data.     In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data.     Writing the write count.     Return data write.	Judgment result
	Frame data of FRAM is selected		data Number of writes  FRAM data size Numerical value (A side B side) judgment flag Size of structure of nonvolatile memory recorded data Specified byte read processing in FRAM	4. Write data. 5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data. 6. Writing the write count. 7. Return data write. 1. Read specified byte read processing result into FRAM and read it into result. 2. Reset the watchdog timer. 3. Recalculate the check SUM value. 4. If the result of reactulation is inconsistent, make the reading result NG. 5. Return reading results. 1. Put write enable address in FRAM transmit data. 2. Allow FRAM writing. 3. Insert memory data write address into FRAM transmit data. 4. Copy write data to.	Judgment result  Judgment result
req[14-1-2-9]	Frame data of FRAM is selected and read  Write specified byte to FRAM (up to M_FRAM_STACK_SIZE)  Write processing into a single page	surface reading processing	data Number of writes  FRAM data size Numerical value (A side B side) judgment flag Size of structure of nonvolatile memory recorded data Specified byte read processing in FRAM Nonvolatile memory recorded data SUM value FRAM data SUM calculation result Specified byte write address in FRAM Specified byte write address in FRAM Specified byte write address in FRAM Write address	4. Write data. 5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data. 6. Writing the write count. 7. Return data write. 1. Read specified byte read processing result into FRAM and read it into result. 2. Reset the watchdog timer. 3. Recalculate the check SUM value. 4. If the result of reacculation is inconsistent, make the reading result NG. 5. Return reading results. 5. Return reading results. 1. Put write enable address in FRAM transmit data. 2. Allow FRAM writing. 3. Insert memory data write address into FRAM transmit data. 4. Copy write data. 5. Write FRAM data. 1. Write to FRAM.	
req[14-1-2-9]	Frame data of FRAM is selected and read  Write specified byte to FRAM (up to M_FRAM_STACK_SIZE)  Write processing into a single page (write, read, verify)	surface reading processing  Perform specified byte write to FRAM  Perform writing processing into a single page	data Number of writes  FRAM data size Numerical value (A side B side) judgment flag Size of structure of nonvolatile memory recorded data Specified byte read processing in FRAM Nonvolatile memory recorded data SUM value FRAM data SUM calculation result Specified byte write address in FRAM Specified byte write address in FRAM Specified byte write address in FRAM Write address Write buffer Write size	4. Write data. 5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data. 6. Writing the write count. 7. Return data write. 1. Read specified byte read processing result into FRAM and read it into result. 2. Reset the watchdog timer. 3. Recalculate the check SUM value. 4. If the result of reacculation is inconsistent, make the reading result NG. 5. Return reading results. 5. Return reading results. 1. Put write enable address in FRAM transmit data. 2. Allow FRAM writing. 3. Insert memory data write address into FRAM transmit data. 4. Copy write data. 5. Write FRAM data. 1. Write to FRAM. 2. In the case of successful writing, a reading process is performed. 3. If both the writing, a reading process is performed.	Judgment result Judgment result
req[14-1-2-9]	Frame data of FRAM is selected and read  Write specified byte to FRAM (up to M_FRAM_STACK_SIZE)  Write processing into a single page (write, read, verify)  FRAM (ID data) update execution processing	surface reading processing  Perform specified byte write to FRAM  Perform writing processing into a single page  Perform FRAM (ID data) update execution processing	data Number of writes  FRAM data size Numerical value (A side B side) judgment flag Size of structure of nonvolatile memory recorded data Specified byte read processing in FRAM Nonvolatile memory recorded data SUM value FRAM data SUM calculation result Specified byte write address in FRAM Specified byte write address in FRAM Specified byte write address in FRAM Write address in FRAM Write address Write buffer Write size ID D number	4. Write data. 5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data. 6. Writing the write count. 7. Return data write. 1. Read specified byte read processing result into FRAM and read it into result. 2. Reset the watchdog timer. 3. Recalculate the check SUM value. 4. If the result of reacculation is inconsistent, make the reading result NG. 5. Return reading results. 5. Return reading results. 1. Put write enable address in FRAM transmit data. 2. Allow FRAM writing. 3. Insert memory data write address into FRAM transmit data. 4. Copy write data to. 5. Write FRAM data. 1. Write to FRAM. 2. In the case of successful writing, a reading process is performed. 3. If both the write and read are successfult, the verify check is performed. 1. Return write processing of the data of the FRAM (ID).	Judgment result Judgment result Judgment result
req[14-1-2-9] req[14-1-2-10] req[14-1-2-11]	Frame data of FRAM is selected and read  Write specified byte to FRAM (up to M_FRAM_STACK_SIZE)  Write processing into a single page (write, read, verily)  FRAM (ID data) update execution	surface reading processing  Perform specified byte write to FRAM  Perform writing processing into a single page	data Number of writes  FRAM data size Numerical value (A side B side) judgment flag Size of structure of nonvolatile memory recorded data Specified byer erad processing in FRAM Specified byer lored processing in FRAM Specified byer write address in FRAM Specified byte write data in FRAM Specified byte write data in FRAM Specified byte write size in FRAM Write address Write address Write buffer Write size Up	4. Write data. 4. Write data. 5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data. 6. Writing the write count. 7. Return data write. 1. Read specified byte read processing result into FRAM and read it into result. 2. Reset the watchdog timer. 3. Recalculate the check SUM value. 4. If the result of reacculation is inconsistent, make the reading result NS. 5. Return reading results. 5. Return reading results. 1. Put write enable address in FRAM transmit data. 2. Allow FRAM writing. 3. Insert memory data write address into FRAM transmit data. 4. Copy write data. 5. Write FRAM data. 1. Write to FRAM. 2. In the case of successful writing, a reading process is performed. 3. Il both the write and read are successful, the verify check is performed. 1. Return write processing of the data of the FRAM (ID). 1. Substitute the FRAM setting data size. 2. Substitute the program number.	Judgment result Judgment result
req[14-1-2-9] req[14-1-2-10] req[14-1-2-11]	Frame data of FRAM is selected and read  Write specified byte to FRAM (up to M_FRAM_STACK_SIZE)  Write processing into a single page (write, read, verify)  FRAM (ID data) update execution processing	surface reading processing  Perform specified byte write to FRAM  Perform writing processing into a single page  Perform FRAM (ID data) update execution processing	data Number of writes  FRAM data size Numerical value (A side B side) judgment flag Size of structure of nonvolatile memory recorded data Reco	4. Write data.  4. Write data.  5. In addition, if there is a remainder less than M_FRAM_STACK_SIZE, write data.  6. Writing the write count.  7. Return data write count.  7. Return data write data.  8. Read specified byte read processing result into FRAM and read it into result.  9. Reads the watchood primer.  8. Reads the watchood primer.  8. If the result of recalculation is inconsistent, make the reading result NG.  9. Return reading result NG.  1. Put write enable address in FRAM transmit data.  1. Put write enable address in FRAM transmit data.  1. Occy write data to.  1. Write to FRAM.  1. If the case of successful writing, a reading process is performed.  1. If both the write and read are successful, the verify check is performed.  1. Return write processing of the data size.	Judgment result Judgment result Judgment result

eq[14-1-3-1]	FRAM periodic self-diagnosis processing (SUM calculation)	Perform FRAM periodic self-diagnosis processing	SUM value	If the SUM value is equal to the FRAM data SUM calculation result, OK is returned.     If the SUM value is not equal to the FRAM data SUM calculation result, NG is returned.	Judgment result
	FRAM factory shipping data SUM calculation result	FRAM factory shipping data SUM calculation	Nonvolatile data	Reset watchdog timer.     FRAM factory default data SUM calculation.	SUM calculation result
q[14-1-3-2]				Reset the watchdog timer.	
	FRAM lunch break SUM calculation	Perform FRAM lunch break SUM calculation	Address of lunch break data	FRAM Factory-shipped data Returns SUM calculation result.     Reset watchdog timer.	SUM calculation result
eq[14-1-3-3]	result			Calculate FRAM lunch break SUM.     Reset the watchdog timer.	
	FRAM data SUM calculation result	Perform FRAM data SUM calculation	None	FRAM lunch break Returns SUM result.     Reset watchdog timer.	SUM calculation result
eq[14-1-3-4]				Perform FRAM data SUM calculation.     Reset the watchdog timer.	
	10 msec interruption processing of	Perform 10 msec interruption processing of FLASH	Count timer for write standby	Returns FRAM data SUM calculation result.  1. Count the write standby count timer.	Count timer for write standby
eq[14-2-1-1]	FLASH				
	Read specified byte in FLASH (up to 256 bytes)	Read specified byte in FLASH	Read data Write address	<ol> <li>When the write address is within the range and the number of write data is within 256 Bytes, execute the following processing 2 to 4.</li> </ol>	Judgment result
req[14-2-1-2]			Write Byte	Put the read command into the transmit data buffer.     Convert address U_LNG to U_CHR [3].	
				Create dummy byte.     Return SPI transmission reception processing of dedicated function.	
req[14-2-1-3]	FLASH Status byte reading (1 byte)	Read FLASH status byte	Read data Status selection	When the status selection is correct, put 0 in the transmission data buffer for status and the reception data buffer for status.	Judgment result
-412-1-0]	Writing appelled by the C. C. A.O.	Write energified hade to FLACU		<ol><li>Returns the result of SPI transmission reception processing of dedicated function.</li></ol>	Luden est social
	Writing specified byte to FLASH (up to 256 bytes)	Write specified byte to FLASH	Write data Address	When the write address is within the range, perform the following processing 2 to 6.     Initialize usage variables.	Judgment result
req[14-2-2-1]			FLASH write byte count Receive data buffer	Read.     Initialize usage variables.	
				writing.     Wait until completion of writing.	
	Specified block erase of FLASH (4 kBytes / 32 kBytes / 64 Kbytes)	Perform specified block erase of FLASH	Specified block start address Erase unit	When the erase block is 4, 32, 64, execute the following processes 2 to 6.     Initialize transmission data.	Judgment result
req[14-2-2-2]				Send write permission.     Put the write command into the transmit data buffer.	
-				<ol><li>Convert address U_LNG to U_CHR [3].</li></ol>	
mal4 4 2 2	Convert address U_LNG to U_CHR [3]	Convert address U_LNG to U_CHR [3]	LNG address	Write data.  1. Convert address U_LNG to U_CHR [3].	None
eq[14-2-2-3]	Write permission transmit		CHR [3] address pointer Write enable command	Place the write enable command in the transmit data buffer.	Judgment result
eq[14-2-2-4]	·	Perform write permission transmission		Returns FRAM write permission processing.	
eq[14-2-2-5]	FRAM update processing	Perform FRAM update processing	Write request flag Main unit error status	When FROM / RAM / FRAM is normal, update FRAM.     If FRAM update execution processing is NG, turn on FRAM error flag.	None
eq[14-3-1-1]	Pointer of A/D data buffer of RL78 Pointer of data buffer of RL78	Acquire pointer of A/D data buffer of RL78 Acquire the pointer of the data buffer of RL78	None None	Return pointer of A/D data buffer of RL78.     Return pointer of data buffer of RL78.	Pointer of A/D data buffer of RL78 Pointer of data buffer of RL78
eq[14-3-1-2]	RTC oscillation stop flag read & start	Perform RTC oscillation stop flag read & start	None None	Read data of FLAG register.	Pointer of data buffer of RL78  Judgment result
mal4404	processing	processing		<ol><li>If the backup battery is less than the threshold mV before the startup process, set VLF to 1.</li></ol>	
req[14-3-1-3]				Write 0 to the VLF register.     Read data of FLAG register.	
	DTO	D. Communication of the Commun	B. cite and the control of the contr	Returns the judgment result.	Indiana di mare
req[14-3-1-4]	RTC register read processing	Perform register readout processing of RTC	Register address Acquired data pointer	Acquire the IIC reception processing of SCI6.     Return IIC reception processing of SCI6.	Judgment result
	RTC register write processing	Perform RTC register write processing	Acquired size Register address	Acquire IIC transmission processing of SCI6.	Judgment result
req[14-3-1-5]			Acquired data pointer Acquired size	Return IIC transmission processing of SCI6.	J
req[14-3-1-6]	Writing processing of circuit setting around charging of RTC	Write circuit setting around RTC charging	None	Write the setting value to ControlRegister 1.     Return set value.	Judgment result
req[14-3-1-7]	Setting processing of ON/OFF flag	Perform setting process of ON/OFF setting flag of	ON/OFF setting flag	Return set value.     Place the ON/OFF setting flag in the start flag of RTC.	RTC start flag
ioq[14-0-1-/]	of RTC RTC startup processing	RTC Perform startup processing of RTC	None	When the oscillation stop flag read & start processing of the RTC is detected,	Judgment result
	o startup processing	overlap processing or KTO		a clock error is issued and the date and time data is set to the default value.  2. If RTC oscillation stop flag read & start processing is not an error, RTC date / time is	gmon roullt
req[14-3-1-8]				read.	
				<ol><li>When RTC date / time reading processing is not NG, write circuit setting around RTC charging.</li></ol>	
	Date & time write & verify check	Perform date & time write & verify check	Year to set	Return result flag.     Acquire year, month, day, hours, minutes, and seconds to set.	Year
		,	Set month Date to set	Read the date and time writing process of RTC and the date and time of RTC, check and write the date and time.	Moon Day
req[14-3-2-1]			When setting Minute to set up	Returns the judgment result.	Time Minute
			Minute to set up Set seconds		Seconds
	RTC date/time write processing	Perform RTC date/time write processing	Year	Write 1 to the STOP register.	Judgment result  Judgment result
			Moon Day	Write date and time data.     Write 0 to the STOP register.	-
req[14-3-2-2]			Time Minute	Returns the judgment result.	
			Seconds		
	Time setting processing of RTC	Perform time setting of RTC	Year to set Set month	When the RTC function is ON, carry out the following 2 to 3.     Acquire the check result of date and time.	Judgment result
req[14-3-2-3]			Date to set When setting	When the acquired result is OK, the date & time write & verify check is executed.     Returns the judgment result.	
			Minute to set up Set seconds		
	Convert to seconds since 00:00:00	Convert to seconds since 00:00:00	Time data	Obtain minutes and set it to second.	Seconds
req[14-3-2-4]				When you get in seconds.     Acquire seconds.	
	Convert to seconds since	Convert to seconds since 2000/01/01 00: 00: 00	Date and time data	Returns the sum of the above 1 to 3.     Returns the number of days since 1, 2000 / 01/01 and the conversion result and	Seconds
req[14-3-2-5]	2000/01/01 00:00:00			the number of seconds since 00:00:00 plus 86400 for the conversion process.	
	Convert to days since 1/01/2000	Convert to days since 1/01/2000	Time data	Acquire year, month, day.     Add day to total.	Days
req[14-3-2-6]				Add the number of days of the month to the total.     Add the number of days of the year to the total.	
	Calculate the number of days in	Calculate the number of days of the month	Data for the year including 2000	Return days Result.     Calculate the number of days in the month.	Days in the month
req[14-3-2-7]	the month	·	Month data including 2000	Returns the number of days in the month.	-
	RTC date/time read processing	Perform date/time read processing of RTC	None	Read date and time data.     When the read date and time data is OK, obtain two date and time of RTC and check	Date and time data read
req[14-3-3-1]				whether the error is less than 60 seconds.  3. Acquire year, month, day, hour, minute, second.	
	Date and time data acquisition	Acquire date and time data	Date and time data	Returns the read date and time data.     Acquire date and time data.	Date and time data
	outd doquisition		Year Moon		
req[14-3-3-2]			Day		
			Time Minute		
	RTC date/time read processing	Perform date/time read processing of RTC	Seconds RTC start flag	When the RTC function is ON, read the date and time of RTC.	Judgment result
req[14-3-3-3]				Return the result of RTC date / time read processing.     Call SCI 5 send / receive interrupt processing.	
req[14-4-2-1]	r_sci5 Transmit interrupt r_sci5 Transmission end interrupt	Perform transmission interrupt processing of SCI 5 Perform transmission end interrupt processing	None None	Call SCI 5 send / receive interrupt processing.      Call SCI 5 transmission end interrupt processing.	None None
req[14-4-2-2] req[14-4-3-1]	r_sci 5 Receive interrupt	of SCI 5  Perform reception interrupt processing of SCI 5	None	Call SCI 5 reception interrupt processing.	None
req[14-4-3-1] req[14-4-3-2]	r_sci 5 Receive error interrupt	Perform reception error interrupt processing of SCI 5	None	Call SCI 5 error interrupt processing.	None
req[14-5-1-1]	Set pointer address of display creation data	A process of setting a pointer address of display creation data is performed	None	Return data for display creation.	Display creation data
mai14 = 1 01	start LCD_NORMAL	Performs start processing of LCD_NORMAL	None	Clear LCD_NOLMAL display data.     LCD_NORMAL Full lit display data setting.	None
req[14-5-1-2]				Send setting data.	
req[14-5-1-3]	Stop LCD_NORMAL	Perform stop processing of LCD_NORMAL	None	Clear LCD_NOLMAL display data.     Create LCD_NORMAL display data and send it.	None
req[14-5-1-4]	LCD_NORMAL 10 msec interrupt processing	Performs LCD_NORMAL 10 ms interrupt processing	Count timer	If the count timer is other than 0, count down the count timer.	Count timer
req[14-5-1-5]	Start LCD	Perform start LCD	None	Start the LCD.	None
	Stop LCD	Perform stop LCD	None	Set the LCD backlight timer.     Stop the LCD.	None
req[14-5-1-6]	·	•			
req[14-5-1-7]	LCD 10msec interrupt	Perform LCD 10msec interrupt	None	Decrement if the backlight timer is non-zero.     Decrement if the backlight timer at communication disconnection is non-zero.	Backlight timer Backlight timer at communication
104[14-0-1-7]	LCD_NORMAL all lighting display data setting	Perform LCD_NORMAL all lighting display data setting	None	Declaration in the backdom timer at communication disconnection is not seed.     Initialize the following data 2 to 5.     Icon data.	Icon data 7 SEG data for time
led[14-0-1-1]	ama sauny	our d		3. 7 SEG data for time.	7 SEG data for concentration
				7 SEG data for concentration.     14 SEG data.	14 SEG data
req[14-5-2-1]				6. Delete the BT icon.	1
	LCD_NOLMAL Clear display data	LCD_NOLMAL Perform display data clearing	None	Initialize the following data 2 to 5.     Iron data	Icon data 7 SEG data for time
	LCD_NOLMAL Clear display data	LCD_NOLMAL Perform display data clearing processing	None	Icon data.     7 SEG data for time.	7 SEG data for time 7 SEG data for concentration
eq[14-5-2-1]	LCD_NOLMAL Clear display data  Set display data of LCD_NORMAL		None	2. Icon data.	7 SEG data for time

Page		LCD_NORMAL UPDATA display	Perform UPDATA display processing of	Count timer	Clear LCD_NOLMAL display data.	None
Company   Comp	req[14-5-2-4]	ECD_NORWAL OPDATA display	LCD_NORMAL	Count unter	Create character data.     Create LCD_NORMAL display data and send it.	NORE
Page			LCD_NORMAL Create and send display data	Display creation data	Create the following display data 2 to 6.	None
	req[14-5-2-5]				4. 7 SEG data for time.	
Methods   Meth					6. 14 SEG data.	
March   Marc	reg[14-5-2-6]	14 SEG. Code conversion processing	14 SEG. Perform code conversion processing		1. When the ASCII code is the ASCII code for 14 SEG, insert the 14 SEG font code into	SEG. Code pointer
March   Marc	reg[14-5-2-7]	7 SEG Code conversion processing	7 SEG. Perform code conversion processing	ASCII code	If the character code is ASCII code for 7 SEG, put the ASCII code for 7 SEG in	SEG. Code pointer
Commonweap   Com						None
Mathematical Process		Processing for creating alarm		Alarm event flag	Create a comment for each alarm.	None
Part		Battery icon display for low price				
Command of style   Command of	req[14-5-2-11]		Perform comment display of concentration part	Display character	Copy the display character corresponding to the comment of the concentration part.     When the blinking flag is ON, blink letters.	Blink character
Part			Perform gas numerical display of concentration part	Gas position	Make settings when character data enters the concentration display section.	Blink character
Section   Sect		concentration part		Over flag	<ol> <li>When minus flag is ON, '-' is added before concentration value at minus over.</li> </ol>	
Part	req[14-5-2-12]			Minus flag	*. When the liasting liag is ON, Dillik letters.	
Part				Decimal point position		
Ministry				Gas name	Flammable gas.	None
March   Marc	req[14-5-2-13]			ON/OFF of whether gas name is displayed or	4. H2S.	
Page				Flashing flag		Mari
April 1997   Apr	- "	Long life icon display for low price				
1		Current concentration display	Perform creation processing of the current	Mode setting value		None
Part		creation processing for low price	concentration display for low price version	Main gas setting	<ol><li>Gas setting is valid and BIT designation of gas display ON/OFF is 1.</li></ol>	
Part	req[14-5-2-16]			Alarm holding setting Gas concentration display over flag	The sensor is normal.     Gas alarm is reporting.	
Company   Comp				7 SEG characters for concentration	<ol><li>When the following conditions 8 to 10 are satisfied, the current concentration, gas name and its unit are displayed.</li></ol>	
Marchane					<ol><li>Gas setting is valid and BIT designation of gas display ON/OFF is 1.</li></ol>	
Mathematical   Math	reg[14-5-2-17]		Perform mode icon display for low price version	Icon display setting		None
March   Marc		NO_ALARM icon display for low	Perform NO_ALARM icon display forlow price	Stealth setting	Set the icon display for the presence / absence of stealth function and alarm function.	None
1965-056   Air France (Seption 1)			Perform time icon display for low price version	Icon display setting	1 Acquire date and time data	None
March   1965	req[14-5-2-19]			7 SEG dot for time blink	Display time icon.	
1		price version	version			
March   Control Seglet					Toggle the toggle flag.	
March   Marc	req[14-5-2-23]	Battery icon display	Perform battery icon display	None	Set the display data for the battery icon.	None
1	req[14-5-2-25]	Time icon display	Perform time icon display	None	Set the display data of the time icon.	None
Marticle	reg[14-5-2-27]	Long life icon display	Perform long life icon display	None	Set the display data of the long life icon.	None
March   Marc	req[14-5-2-29]	Pump icon display	Perform pump icon display	None	Set the display data of the pump icon.	None
Miles Committee	red[14-6-1-1]	LED UN/OFF control call				
Mode	req[14-6-1-2]			ON/OFF setting flag	When the ON/OFF setting flag is ON, turn on the backlight.	None
According to a Conference of Performance	req[14-6-1-3]	Set LED ON/OFF	Set ON/OFF of LED	ON/OFF setting flag Control port number ON/OFF setting flag	When the ON/OFF setting flag is ON, turn on the backlight.     Set ON/OFF of LED 1, LED 2, LED 3.	None None
Section of Contract processory for LED   Perform Minimore interrupt processory for LED   All programs or the Contract processory for LED   Perform Minimore processory of Minimore Processory for LED   Perform Minimore processory for LED   Perform Minimore processory of Minimore Processory for LED   Perform Minimore processory of Minimore Proc	req[14-6-1-3] req[14-7-1-1]	Set LED ON/OFF LED RAM data initialization LED light ON/OFF status acquisition	Set ON/OFF of LED  Perform LED RAM data initialization processing  Perform LED light ON/OFF status acquisition	ON/OFF setting flag Control port number ON/OFF setting flag None	When the ON/OFF setting flag is ON, turn on the backlight.     Set ON/OFF of LED 1, LED 2, LED 3.     Initialize the LED light lighting time.	None None LED light lighting time
See the LED year of setting processing   Second   1.5 till to the letting processing   Second   1.5 till to COPET Prepared to 1.5 to COPET Prepa	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3]	Set LED ON/OFF  LED RAM data initialization  LED light ON/OFF status acquisition orocessing  LED light test ON/OFF processing	Set ON/OFF of LED  Perform LED RAM data initialization processing  Perform LED light ON/OFF status acquisition orccessing  Perform LED light test ON/OFF processing	ON/OFF setting flag Control port number ON/OFF setting flag None None ON/OFF request	1. When the ONOFF setting flag is ON, turn on the backlight. 1. Set ONOFF of LED 1, LED 2, LED 3. 1. Initialize the LED light lighting time. 1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0. 1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.	None None LED light lighting time ON/OFF result None
Performance	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-4]	Set LED ON/OFF  LED RAM data initialization  LED light ON/OFF status acquisition processing  LED light test ON/OFF processing  LED light lighting time setting process  10msec interrupt processing for LED	Set ON/OFF of LED  Perform LED RAM data initialization processing Perform LED light ON/OFF status acquisition occossing Perform LED light test ON/OFF processing Perform LED light test ON/OFF processing Perform LED light lighting time setting process Perform 10 msec interrupt processing for LED	ON/OFF setting flag Control port number ON/OFF setting flag None None ON/OFF request LED lighting time	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, set it 00; if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED lighting time and turn on the LED light. and if it is 0, turn of the LED light.	None  None  LeD light lighting time  ON/OFF result  None  None
EED gits (piloting permission)   Perform IEED gits (piloting permission occupation)   Seath mode setting   1. Initialize the result flags   Seath large	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-4] req[14-7-1-5]	Set LED ON/OFF  LED RAM data initialization  LED light ON/OFF status acquisition processing  LED light test ON/OFF processing  LED light sighting time setting process  10msec interrupt processing for LED  LED light off setting processing	Set ON/OFF of LED  Perform LED RAM data initialization processing Perform LED light ON/OFF status acquisition processing Perform LED light test ON/OFF processing Perform LED light test ON/OFF processing Perform LED light lighting time setting process Perform 10 msec interrupt processing for LED  Perform LED light off setting processing	ONOFF setting flag Control port number ONOFF setting flag None None ONOFF request LED lighting time LED lighting time None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ON/OFF of LED 1, LED 2, LED 3.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ON/OFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, set if to 0, if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0, turn of the LED light.  1. Set the LED lighting time is non-zero, decrement the lighting time and turn on the LED Light and if it is 0, turn of the LED light.	None None LED light lighting time ON/OFF result None None LED lighting time
Modern Early Recommend from	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-5] req[14-7-1-6] req[14-7-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition orocassing  LED light sto ONOFF processing  LED light sighting time setting process or	Sat ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light ONOFF status acquisation  crocessing  Parform LED light test ON/OFF processing  Parform LED light lighting time setting process  Parform Intellight continuous process  Parform United Intellight off setting processing  Parform LED light off setting processing  Parform LED light port setting process	ONOFF setting flag Control port number ONOFF setting flag None None None ONOFF request LED lighting time LED lighting time None None ONOFF request	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, set it to 0, if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  2. Turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.	None None LED light lighting time ON/OFF result None None LED lighting time LED lighting time
Against buzzer operation flag of the buzzer of the processing of buzzer until processing of buzzer u	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-4] req[14-7-1-5] req[14-7-1-6] req[14-7-1-8]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition orocassing.  LED light sto ONOFF processing  LED light sighting time setting process  Tomace interrup processing for LED   LED light off setting processing  LED light port setting process.  LED light ONOFF processing  LED light ONOFF processing	Set ONOFF of LED  Perform LED RAM data initialization processing  Perform LED light ONOFF status acquisition  processing  Perform LED light test ON/OFF processing  Perform LED light lighting time setting process  Perform LED light lighting time setting process  Perform LED light off setting processing  Perform LED light off setting processing  Perform LED light port setting process  Perform LED light ON/OFF processing  Perform LED light ON/OFF processing  Perform LED light (DN/OFF processing)	ONOFF setting flag Control port number ONOFF setting flag None ONOFF request LED lighting time LED lighting time None ONOFF request None None None None	1. When the ONOFF setting flag is ON, turn on the backlight. 1. Set ON/OFF of LED 1, LED 2, LED 3. 1. Initialize the LED light lighting time. 1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0. 1. If the LED lighting time is non-zero, set it to 0, if it is 0, set the maximum LED lighting time; if it is OFF, set 0. 1. If the LED lighting time is non-zero, dest it to 0, if it is 0, set the maximum lighting time. 1. If the LED lighting time is non-zero, determent the lighting time and turn on the LED light. 1. If the ONOFF request is OFF, turn of the LED light. 1. If the ONOFF request is OFF, turn of the LED light. 1. Handle LED light on/off. 1. Initiatize the request flags.	None None LED light lighting time ON/OFF result None None LED lighting time  LED lighting time None None None None None
Initial processing of buzzer unit   Perform initial processing of buzzer unit   Perform initial processing of buzzer unit   Perform initial processing of buzzer unit	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-4] req[14-7-1-6] req[14-7-1-6] req[14-7-1-8]	Set LED ONOFF LED RAM data initialization LED light ONOFF status acquisition processing LED light sets ONOFF processing LED light sighting time setting process of the commercial processing or LED light sighting time setting processing LED light port setting processing or LED light port setting processing LED light port setting processing LED light ighting permission acquisition processing	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light ONOFF status acquisition  processing  Parform LED light stepting time setting process  Parform LED light lighting time setting process  Parform IDED light lighting time setting process  Parform Unsec interrupt processing for LED  Parform LED light off setting processing  Parform LED light port setting process  Parform LED light ONOFF processing  Parform LED light lighting permission acquisition  processing	ONOFF setting flag Control port number ONOFF setting flag None ONOFF request LED lighting time LED lighting time None ONOFF request None None None None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, set it or 0, if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0, turn of the LED light.  1. Set the LED lighting time to 0.  2. Turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is ON, turn on the LED light.  2. If the ONOFF request is ON, turn on the LED light.  2. If the Set ONOFF request is ON, turn on the LED light.  2. If the standard is one of the LED light on the LED light.  3. Return result flag.  3. Return result flag.  3. Return result flag.  1. Get the ONOFF status of the LED light.	None None LED light lighting time ON/OFF result None None LED lighting time LED lighting time None Result flag
Section of the processing within 10 mass	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-2] req[14-7-1-4] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7] req[14-7-1-9] req[14-7-1-9]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition pocessing on the leaf light of the leaf light lighting time setting process formace interrupt processing for LED light sighting processing the LED light off setting process to the leaf light off setting processing  LED light port setting processing  LED light ONOFF processing  LED light onoff sighting permission acquisition processing  LED light on/off display processing	Sat ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light CN/OFF status acquisition  processing  Parform LED light test CN/OFF processing  Parform LED light lighting time setting process  Parform LED light lighting time setting process  Parform LED light off setting processing  Parform LED light port setting process  Parform LED light CN/OFF processing  Parform LED light lighting permission acquisition  processing  Parform LED light viold display processing	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the DNOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0, set the maximum lighting time.  1. If the LED lighting time to 0.  2. Turn of the LED lighting time to 0.  2. Turn of the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the setult in process is OFF, turn off the LED light.  2. If the setult in the case of the control of the cont	None None LED light lighting time ON/OFF result None None None None Result lighting time None None None None None None None Non
Continue to the buzzer of the buzzer of the buzzer of the continue of the co	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-2] req[14-7-1-4] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7] req[14-7-1-9] req[14-7-1-9]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing  LED light is ONOFF processing  LED light lighting time setting process from the processing of the processing treatment of the processing for LED light of setting processing the processing LED light port setting processing  LED light ONOFF processing  LED light ONOFF processing  LED light on'off display processing  LED light on'off display processing  Acquire buzzer operation flag	Set ONOFF of LED  Perform LED RAM data initialization processing  Perform LED light ONOFF status acquisition processing  Perform LED light status acquisition processing  Perform LED light sighting time setting process  Perform LED light sighting time setting process  Perform LED light off setting processing  Perform LED light off setting processing  Perform LED light ONOFF processing  Perform LED light ONOFF processing  Perform LED light off sighting permission acquisition processing  Perform LED light on/off display processing  Acquire the operation flag of the buzzer	ONOFF setting flag Control port number ONOFF setting flag None ONOFF setting flag None ONOFF request LED lighting time LED lighting time None ONOFF request None Steath mode setting None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the DNOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0, set the maximum lighting time.  1. If the LED lighting time is ON, set it to 0, if it is 0, set the maximum lighting time.  1. Set the LED lighting time to 0.  2. Turn of the LED lighting time to 0.  2. Turn of the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the setult mode setting is ON, substitute false for the result flag.  2. If the setulth mode setting is ON, substitute false for the result flag.  2. If the ONOFF status of the LED light.  2. If the ONOFF status is OFF, create on Airsacree for OFF disolav.  1. Return the buzzer operation in progress flag.	None None LED light lighting time ON/OFF result None None None None None None None Buzzer operating flag Alam pattern
Initialization of buzzer internal variable	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-2] req[14-7-1-4] req[14-7-1-4] req[14-7-1-6] req[14-7-1-8] req[14-7-1-8] req[14-7-1-10] req[14-8-1-1]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing  LED light is ONOFF processing  LED light lighting time setting process from the processing of the processing treatment of the processing for LED light of setting processing the processing LED light port setting processing  LED light ONOFF processing  LED light ONOFF processing  LED light on'off display processing  LED light on'off display processing  Acquire buzzer operation flag	Set ONOFF of LED  Perform LED RAM data initialization processing  Perform LED light ONOFF status acquisition processing  Perform LED light status acquisition processing  Perform LED light sighting time setting process  Perform LED light sighting time setting process  Perform LED light off setting processing  Perform LED light off setting processing  Perform LED light ONOFF processing  Perform LED light ONOFF processing  Perform LED light off sighting permission acquisition processing  Perform LED light on/off display processing  Acquire the operation flag of the buzzer	ONOFF setting flag Control port number ONOFF setting flag None ONOFF setting flag None ONOFF request LED lighting time LED lighting time None ONOFF request None Steath mode setting None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. Set the LED lighting time is O.  2. Turn off the LED lighting time is OFF, turn off the LED light.  1. If the ONOFF request is ON, turn on the LED light.  2. If the settle flag light oviold.  1. Handle LED light oviold.  1. Initialize the result flags.  2. If the setalth mode setting is ON, substitute false for the result flag.  3. Return result is assuur of the LED light.  1. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is OFF, create a character for OFF display.  1. Return the buzzer operation in progress flag.  3. Ret the alarm periodic operation check request flag to OFF.  2. Set the alarm periodic operation execution request flag to OFF.	None  LED light lighting time  ON/OFF result  None  Alam pattern  Alam pattern  Alam pattern  Alam pattern  Alam pattern
PVM court value  LOW 1H flag  I the PVM court value is within the threshold value, the value is set to the PVM self in the PVM court value is within the threshold value, the value is set to the PVM self into th	req[14-61-3] req[14-71-1] req[14-71-2] req[14-71-3] req[14-71-4] req[14-71-4] req[14-71-6] req[14-71-7] req[14-71-7] req[14-71-1] req[14-71-10] req[14-81-1] req[14-81-1]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light set on VOFF processing  LED light set on VOFF processing  LED light sighting time setting process  Classification of the Community of the Comm	Set ONOFF of LED  Parform LED RAM data initialization processing  Perform LED light ONOFF status acquisition  processing  Perform LED light test ON/OFF processing  Perform LED light lighting time setting process  Perform LED light lighting time setting process  Perform United Dight off setting processing  Perform LED light off setting processing  Perform LED light ON/OFF processing  Perform LED light ON/OFF processing  Perform LED light on/off display processing	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONVOFF settler flag is ON, turn on the backlight.  1. Set ONVOFF of LED 1, LED 2, LED 3.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONVOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. Set the LED lighting time is DF, turn off the LED light.  1. If the ONVOFF request is OFF, turn off the LED light.  1. If the ONVOFF request is ON, turn on the LED light.  2. If the setalth mode setting is ON, substitute false for the result flag.  3. Return result lights.  1. Get the ONVOFF status is ON, create ON display characters.  3. If the ONVOFF status is ON, oreate ON display characters.  3. If the ONVOFF status is ON, oreate ON display characters.  3. If the ONVOFF status is ON, oreate ON display characters.  3. If the ONVOFF status is OFF, create a character for OFF display.  1. Return the buzzer operation in progress flag.  3. Set the alarm periodic operation check request flag to OFF.  4. Initialize the buzzer processing variable.	None None LED light lighting time ON/OFF result None None None None None None None None
LOW / Hilling    S. If the PVM court value is within the threshold value, the value is set to the PVM setting public is set to the starting public is set to	req[14-61-3] req[14-71-1] req[14-81-1]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light set ON/OFF processing  LED light set ON/OFF processing  LED light sighting time setting process  Tomsec interrupt processing for LED  LED light off setting processing  LED light port setting processing  LED light ON/OFF processing  LED light port setting permission  acquisition processing  LED light on/OFF processing  Acquire buzzer operation flag  Initial processing of buzzer unit   When the power is off, buzzer mute  Initialization of buzzer internal	Set ONOFF of LED  Perform LED RAM data initialization processing  Perform LED light ONOFF status acquisition  processina  Perform LED light test ONOFF processing  Perform LED light lighting time setting process  Perform LED light lighting time setting process  Perform LED light of setting processing for LED  Perform LED light of setting processing  Perform LED light on Setting processing  Perform LED light ONOFF processing  Perform LED light ONOFF processing  Perform LED light of lighting permission acquisition  processing  Perform LED light on/off display processing  Acquire the operation flag of the buzzer  Perform initial processing of buzzer unit  When power is off, perform buzzer mute processing	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None ONOFF request LED lighting time LED lighting time None Steath mode setting None None None None None None None None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. Set the LED lighting time to 0.  2. If the ONIOCFF request is ON, turn on the LED light.  1. If the ONIOCFF request is ON, turn on the LED light.  2. If the ONIOCFF request is ON, turn on the LED light.  3. Return result flag.  4. If the ONIOCFF status of the LED light.  2. If the oNIOCFF status is OFF, creaded a character for OFF disolev.  3. The ONIOCFF status is OFF. creaded a character for OFF disolev.  5. Set the salarm periodic operation execution request flag to OFF.  3. Set the salarm periodic operation execution request flag to OFF.  5. Initialize the buzzer processing variable.  1. Set the volume of flag to ON.	None None LED light lighting time ON/OFF result None None None None None None None None
the LOV specification.  If the Notice of Perform alarm processing within 10 msec  Alarm processing sounding parameters and size of the size o	req[14-61-3] req[14-71-1] req[14-81-1]	Set LED ONOFF LED RAM data initialization LED Ight ONOFF status acquisition processing LED light Ighting time setting process from the processing of LED light lighting time setting process from the processing tending processing the legible processing for LED light port setting processing LED light port setting processing LED light ONOFF processing LED light on/off display processing	Set ONOFF of LED  Perform LED RAM data initialization processing  Perform LED RIM data initialization processing  Perform LED light ONOFF status acquisition  processing  Perform LED light set ONOFF processing  Perform LED light lighting time setting process  Perform LED light of setting processing  Perform LED light of setting processing  Perform LED light of setting processing  Perform LED light ONOFF processing  Perform LED light ONOFF processing  Perform LED light of setting processing  Perform LED light of setting processing  Acquire the operation flag of the buzzer  Perform LED light onoff display processing  Acquire the operation flag of the buzzer  Perform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, set it or, if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is on-zero, decrement the lighting time and turn on the LED light.  1. Set the LED lighting time to 0.  2. Turn of the LED lighting time to 0.  1. If the ONOFF request is OFF, turn off the LED light.  1. Initialize the result flags.  1. Initialize the result flags.  2. If the ONOFF status is ON, substitute false for the result flag.  3. Return result flag.  1. Get the ONOFF status of the LED light.  2. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the DNOFF status is OFF, create a character for OFF display.  1. Return the buzzer operation in progress flag.  1. Set the alarm partent to OFF.  3. Set the alarm partent to OFF.  4. Initialize the buzzer processing variable.  5. Initialize the buzzer processing variable.  1. Initialize the buzzer processing variable.  1. Initialize the alarm transition setting flag is ON, carry out the following processes 2 to 6.  2. Turno buzzer ONIOEF setting flag is ON, carry out the following processes 2 to 6.	None None None LED light lighting time ON/OFF result None None None None None None None None
Alarm processing within 10 msec  Alarm processing south processing so	req[14-61-3] req[14-71-1] req[14-71-2] req[14-71-2] req[14-71-3] req[14-71-6]	Set LED ONOFF LED RAM data initialization LED Ight ONOFF status acquisition processing LED light Ighting time setting process from the processing of LED light lighting time setting process from the processing tending processing the legible processing for LED light port setting processing LED light port setting processing LED light ONOFF processing LED light on/off display processing	Set ONOFF of LED  Perform LED RAM data initialization processing  Perform LED RIM data initialization processing  Perform LED light ONOFF status acquisition  processing  Perform LED light set ONOFF processing  Perform LED light lighting time setting process  Perform LED light of setting processing  Perform LED light of setting processing  Perform LED light of setting processing  Perform LED light ONOFF processing  Perform LED light ONOFF processing  Perform LED light of setting processing  Perform LED light of setting processing  Acquire the operation flag of the buzzer  Perform LED light onoff display processing  Acquire the operation flag of the buzzer  Perform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, set it or 0, if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0, then the first time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  3. Return settings.  3. Return resulf flag.  3. Return resulf flag.  3. Return resulf flag.  3. Return resulf flag.  3. Return the UNOFF status of the LED light.  3. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the on Worff status is OFF, create a character for OFF display.  1. Return the buzzer operation in progress flag.  3. Set the alarm periodic operation execution request flag to OFF.  2. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic coperation secution request flag to OFF.  3. Set the power of flag to ON.  1. Initialize the buzzer processing variable.  5. Initialize the buzzer processing variable.  5. Initialize the pure of flag to ON.  1. Initialize the buzzer processing variable.  6. When the huzzer ONOFF setting flag is ON, carry out the following processes 2 to 6.  2. Turnen buzzer CNIOFF setting flag is ON, carry out the following processes 2 to 6.  2. Turnen buzzer CNIOFF setting flag is ON, carry out the following processes 2 to 6.	None None None LED light lighting time ON/OFF result None None None None None None None None
Alarm processing within 10 msec  Alarm period operation check request flag Alarm test type flag  Alarm test type flag  Alarm test type flag  Alarm test type flag  Buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Alarm perform processing  Alarm perform deck request flag  Alarm perform processing  Alar	req[14-61-3] req[14-71-1] req[14-71-2] req[14-71-2] req[14-71-3] req[14-71-6]	Set LED ONOFF LED RAM data initialization LED Ight ONOFF status acquisition processing LED light Ighting time setting process from the processing of LED light lighting time setting process from the processing tending processing the legible processing for LED light port setting processing LED light port setting processing LED light ONOFF processing LED light on/off display processing	Set ONOFF of LED  Perform LED RAM data initialization processing  Perform LED RIM data initialization processing  Perform LED light ONOFF status acquisition  processing  Perform LED light set ONOFF processing  Perform LED light lighting time setting process  Perform LED light of setting processing  Perform LED light of setting processing  Perform LED light of setting processing  Perform LED light ONOFF processing  Perform LED light ONOFF processing  Perform LED light of setting processing  Perform LED light of setting processing  Acquire the operation flag of the buzzer  Perform LED light onoff display processing  Acquire the operation flag of the buzzer  Perform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, set it 00, if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light, and if it is 0, und of the LED light.  1. If the LED lighting time is ON. set it 00, if it is 0, set the maximum lighting time.  1. Set the LED lighting time to 0.  2. Turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is ON, turn on the LED light.  2. If the ONOFF request is ON, turn on the LED light.  3. Return result flag.  3. Return result flag.  3. Return result flag.  3. Return result flag.  1. If the ONOFF status is OFF, excels on display characters.  3. If the ONOFF status is OFF, excels on display characters.  3. If the ONOFF status is OFF, excels on display characters.  3. If the ONOFF status is OFF, excels on display characters.  3. If the ONOFF status is OFF, excels on display characters.  3. If the ONOFF status is OFF, excels on display characters.  3. If the ONOFF status is OFF, excels on display characters.  3. If the DONOFF status is OFF, excels on display characters.  3. If the DONOFF status is OFF, excels on display characters.  5. Set the alarm periodic operation here.  1. Return the buzzer operation in progress flag  1. Turn the buzzer operation in progress flag  1. Turn the buzzer of the LED light.  3. Set the alarm periodic operation securities with the threshold value, the value is set to the PWM setting buffer is set to the LOW fell flag is COW, the setting value of the PWM setting buffer is set to the LOW fell flag is COW, the setting value of the PWM setting buffer is set to the LOW setting buffer is set to the LOW setting buffer is set to	None None None LED light lighting time ON/OFF result None None None None None None None None
Alarm test type flag  2. When the SDM alarm test flag is subtracted. 3. When the alarm princip departion recording request flag is ON, the following processings of 1 or are sexecuted. 4. Trandf the alarm cycle operation execution request flag. 5. Reging pattern deed processing. 6. It must flag assume the end of the alarm pattern and alarm transition table is reached, turn off the alarm pattern and alarm transition table is reached, turn off the alarm pattern and alarm period operation check request flag. 7. When the end of the alarm transition table is reached, turn off the alarm pattern and alarm period operation check request flag. 8. Door status alarm flag alarm period operation check request flag. 8. When the end of the alarm transition table is reached, turn off the alarm pattern and alarm period operation check request flag. 9. When the end of the alarm transition table is reached, turn off the alarm pattern and alarm period operation check request flag alarm transition. LED request flag is only an alarm set the period operation check request flag alarm period operation check request flag is only alarm period operation check request flag is only and an alarm period operation check request flag is only and an alarm period operation check request flag is only an alarm period operation check request flag and mode transition LED request flag is only	req[14-61-3] req[14-71-1] req[14-71-2] req[14-71-2] req[14-71-3] req[14-71-6]	Set LED ONOFF LED RAM data initialization LED Ight ONOFF status acquisition processing LED light Ighting time setting process from the processing of LED light lighting time setting process from the processing tending processing the legible processing for LED light port setting processing LED light port setting processing LED light ONOFF processing LED light on/off display processing	Set ONOFF of LED  Perform LED RAM data initialization processing  Perform LED RIM data initialization processing  Perform LED light ONOFF status acquisition  processing  Perform LED light set ONOFF processing  Perform LED light lighting time setting process  Perform LED light of setting processing  Perform LED light of setting processing  Perform LED light of setting processing  Perform LED light ONOFF processing  Perform LED light ONOFF processing  Perform LED light of setting processing  Perform LED light of setting processing  Acquire the operation flag of the buzzer  Perform LED light onoff display processing  Acquire the operation flag of the buzzer  Perform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ON/OFF setting flag is ON. turn on the backlight.  1. Set ON/OFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ON/OFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0. turn of the LED light.  1. Set the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ON/OFF request is ON, turn on the LED light.  2. If the stealth mode setting is ON, substitute false for the result flag.  2. If the stealth mode setting is ON, substitute false for the result flag.  2. If the ON/OFF status of the LED light.  3. If the ON/OFF status is OFF, teres a character for OFF display.  1. Return the buzzer operation in progress flag.  1. Return the buzzer operation in progress flag.  1. Set the alarm periodic operation execution request flag to OFF.  2. Set the alarm periodic operation execution request flag to OFF.  3. Set the alarm periodic operation execution request flag to OFF.  4. Initialize the buzzer provessing variable.  1. When the buzzer oN/OFF setting flag is ON, carry out the following processes 2 to 6.  2. Turn buzzer ON flag is LOW, the setting value of the PWM setting buffer is set to the LOW / setting buffer is set to the LOW / the flag is LOW, the setting value of the PWM setting buffer is set to the LOW operation. The buzzer on of flag is OW, the setting value of the PWM setting buffer is set to the LOW / setting flag is OFF, the buzzer ON flag is turned off and	None None None LED light lighting time ON/OFF result None None None None None None None None
A. Turnoff the alarm cycle operation execution request flag.   S. Ringing pattern deed processing.   S. Ringing pattern deed processing.   G. Perform inciping execution processing using sounding parameters and alarm transition table.   T. When the end of the alarm transition table is reached, turn off the alarm pattern and alarm period operation check request flag.   When the sould requise thing.   S. When the sould status is at statuse, set the alarm type at status and set the boot alarm period operation check request flag.   When the power is off, set the alarm type at status and set the boot alarm period operation check request flag.   When the power is off, set the alarm type to DFF.   In cases other than the above, confirm whether alarm is issued and set each alarm to alarm type.   When the fault alarm flag is ON, the alarm type to OFF.   In cases other than the above, confirm whether alarm is issued and set each alarm to alarm type.   When the fault alarm flag is ON, the alarm type to OFF.   In cases other than the above, confirm whether alarm is issued and set each alarm to alarm type.   T. In cases other than the above, confirm whether alarm is issued and set each alarm to alarm type.   T. In cases other than the above, confirm whether alarm is issued and set each alarm to alarm type.   T. In cases other than the above, confirm whether alarm is issued and set each alarm to alarm type.   T. In cases other than the above, confirm whether alarm is issued and set each alarm to alarm type.   T. In cases other than the above, confirm whether alarm tis issued and set each alarm to alarm type.   T. In cases other than the above, confirm whether alarm tis issued and set each alarm to alarm type.   T. In cases other than the above, confirm whether alarm tis issued and set each alarm to alarm type.   T. In cases other than the above, confirm whether alarm tis issued and set each alarm to alarm type.   T. In the few powers of the alarm type is OFF.   T. In cases other than the above, confirm whether alarm tis iss	req[14-61-3] req[14-71-1] req[14-71-2] req[14-71-2] req[14-71-3] req[14-71-6]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing  LED light story of the status acquisition processing  LED light story of the status of the st	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED Ight ONOFF status acquisition orocessina  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light lighting time setting process  Parform LED light off setting processing  Parform LED light off setting processing  Parform LED light lighting processing  Parform LED light lighting permission acquisition processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  When power is off, perform buzzer mute processing  Parform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, set it or, if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is OFF, turn off the LED light.  1. Set the LED lighting time to 0.  2. Turn off the LED lighting time is OFF, turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  1. Initialize the result flags.  2. If the ONOFF status of the LED light.  2. If the ONOFF status of the LED light.  3. Return result flag.  3. Return result flag.  3. Return result flag.  4. If the ONOFF status of the LED light.  2. If the ONOFF status of the LED light.  3. Return result flag.  4. If the ONOFF status of the LED light.  5. Initialize the pattern of CPF caselev.  5. Return his Duzzer deposition request flag to OFF.  5. Set the slarm pattern of CPF caselev.  6. Initialize the buzzer processing variable.  6. Initialize the buzzer processing variable.  7. Initialize the buzzer of flag to ON.  8. In Initialize the buzzer of flag to ON.  8. In Initialize the buzzer of flag to ON.  1. Initialize the buzzer of flag to ON.  1. Initialize the buzzer of flag to ON.  1. Initialize the buzzer of flag to ON.  2. If the OWN OFF setting flag is ON, carry out the following processes 2 to 6.  2. Turnon buzzer of flag to ON.  3. If the OWN OFF setting flag is ON, carry out the following the own of the own of the ON own of the ON own of the ON own	None  None  LED light lighting time  ON/OFF result  None  Alarm pattern operation check request flag  Alarm cycle operation request flag  Alarm stands setting  PWM setting buffer  Buzzer ON flag  Alarm price operation check request flag  Alarm provide operation request flag  Alarm price operation check request flag
Buzzer loop processing  Perform buzzer loop processing  Perform buzzer loop processing  Buzzer loop processing  Perform buzzer loop processing  Boot status  SIM alarm teet flag Alart teet type flag Alart teet type flag Alart teet type flag Alart seat yee flag Short buzzer flag Short buzzer flag Short buzzer flag Short buzzer flag Alart seat yee flag Alart seat yee flag Alart seat yee flag Short buzzer flag Short buzzer flag Short buzzer flag Short buzzer flag Alart seat yee flag Alart seat yee flag Alart seat yee flag Alart seat yee flag Short buzzer f	req[14-61-3] req[14-71-1] req[14-71-2] req[14-71-2] req[14-71-3] req[14-71-6]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing  LED light story of the status acquisition processing  LED light story of the status of the st	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED Ight ONOFF status acquisition orocessina  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light lighting time setting process  Parform LED light off setting processing  Parform LED light off setting processing  Parform LED light lighting processing  Parform LED light lighting permission acquisition processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  When power is off, perform buzzer mute processing  Parform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ON/OFF setting flag is ON. turn on the backlight.  1. Set ON/OFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ON/OFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0, und of the LED light.  1. Set the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ON/OFF request is OFF, turn off the LED light.  2. If the ON/OFF request is OFF, turn off the LED light.  2. If the stealth mode setting is ON, substitute false for the result flag.  2. If the stealth mode setting is ON, substitute false for the result flag.  2. If the ON/OFF status of the LED light.  2. If the ON/OFF status is OFF, create a character for OFF display.  1. Return the buzzer operation in progress flag.  1. Return the buzzer operation in progress flag.  2. Set the alarm periodic operation execution request flag to OFF.  2. Set the alarm periodic operation execution request flag to OFF.  3. Set the alarm periodic operation execution request flag to OFF.  4. Initialize the buzzer processing variable.  1. Initialize the buzzer processing variable.  1. When the buzzer ON/OFF setting flag is ON, carry out the following processes 2 to 6.  2. Turnon buzzer ON flag.  3. If the PWM Carezor ON/OFF setting flag is ON, carry out the following processes 2 to 6.  4. The LOW OFF setting flag is OFF, the buzzer ON flag is turned off and the PWM function on.  5. Turn PRW function on.  6. When the buzzer ON/OFF setting flag is OFF, the buzzer ON flag is turned off and the PWM function on.  6. When the buzzer ON/OFF setting flag is OFF, the buzzer ON flag is buzred off.	None  None  LED light lighting time  ON/OFF result  None  Alarm pattern operation check request flag Alarm cycle operation request flag  Alarm transition setting  PWM setting buffer  Buzzer ON flag  Alarm period operation check request flag Alarm properation check request flag  Alarm properation check request flag  Alarm properation check request flag  Alarm priod operation check request flag
Perform buzzer loop processing   Perform buzzer lang   Power off liag	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-6] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing  LED light story of the status acquisition processing  LED light story of the status of the st	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED Ight ONOFF status acquisition orocessina  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light lighting time setting process  Parform LED light off setting processing  Parform LED light off setting processing  Parform LED light lighting processing  Parform LED light lighting permission acquisition processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  When power is off, perform buzzer mute processing  Parform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DIVED lighting time is non-zero, set it ou', if it is, 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, set it ou', if it is, 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0, then the maximum lighting time.  1. If the LED lighting time is on-zero, decrement the lighting time and turn on the LED light.  1. Set the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time is 0.  3. If the ONOFF request is OFF, turn off the LED light.  1. Initialize the result flags.  1. Initialize the result flags.  2. If the ONOFF status is OFF, create a character for OFF disolary.  1. Return the buzzer operation in progress flag.  1. Return the buzzer operation in progress flag.  2. Set the alarm periodic operation execution request flag to OFF.  2. Set the alarm periodic operation execution request flag to OFF.  3. Set the alarm periodic operation execution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Initialize the buzzer of flag to ON.  1. Initialize the buzzer of NoFF setting flag is ON, carry out the following processes 2 to 6.  2. Turnon buzzer ONIOFF setting flag is ON, carry out the following processes 2 to 6.  3. If the DWIFT flag is LOW, the setting value of the PWM setting buffer is set to the LOW specification.  5. Turn PMW function on.  4. If the LOW, If flag is LOW, th	None  None  LED light lighting time  ON/OFF result  None  Alarm pattern operation check request flag Alarm cycle operation request flag  Alarm transition setting  PWM setting buffer  Buzzer ON flag  Alarm period operation check request flag Alarm properation check request flag  Alarm properation check request flag  Alarm properation check request flag  Alarm priod operation check request flag
Buzzer loop processing  Perform buzzer loop processing  Boot status  SDM alarm test flag Alert test type flag Power off flag Failure alarm flag Short buzzer flag Low battery buzzer request flag Low battery buzzer request flag Low battery buzzer request flag In the alarm type in the alarm type to OFF. In cases other than the above, continner where alarm is issued and set each alarm to alarm type. In class of the than the above, continner where alarm is issued and set each alarm to alarm type. In the alarm type is OFF and the short buzzer flag is on, an alarm type to other to buzzer. In the alarm type is OFF and the short buzzer flag is on, set the alarm type to short buzzer. In the alarm type is OFF and the power is not stopped, Perform 11 and 12 In When the mode transition LED request flag is ON, Set the alarm type to the mode transition LED. In which the buzzer flag and mode transition LED request flag is ON, Set the alarm type to low battery buzzer. In Set the boot status is at staruty, set the alarm type to OFF. In the alarm type is OFF and the power is not stopped, Perform 11 and 12 In When the mode transition LED request flag is ON, Set the alarm type to tow battery buzzer. In Set the low battery buzzer request flag and mode transition LED request flag is ON, Set the alarm type to alarm partern. In Set the boot status is attaining a staruty and set the boot status is attaining a staruty and set the boot status to active. In the alarm type to OFF. In the alarm type to OFF. In the alarm type to off and the power is not stopped, Perform 11 and 12 In When the mode transition LED request flag is ON, Set the alarm type to the mode transition. LED. In the boot battery buzzer request flag and mode transition LED request flag to ON. In the set of the alarm type to alarm type to when the alarm type to be offer and the power is not stopped, Perform 1 and 12 In the set of the alarm type to alarm type to when the alarm type to the mode transition. LED. In the set of the alarm type to alarm type to be offer and the powe	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-6] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing  LED light story of the status acquisition processing  LED light story of the status of the st	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED Ight ONOFF status acquisition orocessina  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light lighting time setting process  Parform LED light off setting processing  Parform LED light off setting processing  Parform LED light lighting processing  Parform LED light lighting permission acquisition processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  When power is off, perform buzzer mute processing  Parform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DIVED lighting time is non-zero, set it ou', if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is OFF, turn off the LED light.  3. Return resulf flag.  1. Get the ONOFF status of the LED light.  2. If the ONOFF status is OFF, create a character for OFF display.  1. Return the Duzzer operation in progress flag.  1. Return the Duzzer operation in progress flag.  3. Set the alarm periodic operation execution request flag to OFF.  2. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  4. Initialize the buzzer processing variable.  1. Intel DW / Hill flag is LOW, the setting value of the PWM setting buffer is set to the PWM setting buffer is set to the LOW flag is turned off.  4. If the LOW / Hill flag is LOW, the setting value of the PWM setting buffer is set to the LOW specification.  5. Turn PMW function is turned off.  4. If the LOW / Hill flag is LOW, the setting value of the PWM setting buffer is set to the LOW specification.  5. Turn PMW function on turned off.  6. When the buzzer ONOFF setting flag is OFF, the buzzer ON flag is subracted.  8. When the buzzer ONOFF setting flag is OFF, the buzzer ON flag is subra	None  None  LED light lighting time  ON/OFF result  None  Alarm pattern operation check request flag Alarm cycle operation request flag  Alarm transition setting  PWM setting buffer  Buzzer ON flag  Alarm period operation check request flag Alarm properation check request flag  Alarm properation check request flag  Alarm properation check request flag  Alarm priod operation check request flag
Alert test type flag Power off flag Failure alarm flag Short buzzer flag Low battery buzzer request flag Mode transition LED request flag Low battery buzzer request flag Low battery buzzer request flag Mode transition LED request f	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-6] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing  LED light story of the status acquisition processing  LED light story of the status of the st	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED Ight ONOFF status acquisition orocessina  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light lighting time setting process  Parform LED light off setting processing  Parform LED light off setting processing  Parform LED light lighting processing  Parform LED light lighting permission acquisition processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  When power is off, perform buzzer mute processing  Parform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DNOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED light oviold.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is ON, turn on the LED light.  2. If the ONOFF request is ON, turn on the LED light.  3. Return result flag.  4. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is OFF, create a character for OFF display.  1. Return the buzzer operation in progress flag.  3. Set the alarm periodic operation execution request flag to OFF.  3. Set the alarm periodic operation execution request flag to OFF.  4. Initialize the buzzer diview.  1. Set the power off flag to ON.  1. Institute the institute of the power off flag is ON, carry out the following processes 2 to 6.  2. Turn on buzzer ONOFF setting flag is ON, carry out the following processes 2 to 6.  3. Turn of buzzer on ONOFF setting flag is ON, carry out the following processes 2 to 6.  4. Turn off buzzer on ONOFF setting flag is ON, turn on the alarm cycle operation execution request flag is ON, turn on the alarm periodic operation execution request flag is ON, turn on the alarm cycle operation execution request flag is ON, turn on the alarm periodic operat	None  None  LED light lighting time  ON/OFF result  None  Alarm pattern operation check request flag Alarm cycle operation request flag  Alarm transition setting  PWM setting buffer  Buzzer ON flag  Alarm period operation check request flag Alarm properation check request flag  Alarm properation check request flag  Alarm properation check request flag  Alarm priod operation check request flag
Failure alarm flag Short buzzer flag Low battery buzzer request flag Low battery buzzer request flag Mode transition LED request flag is valid, set the alarm type to other buzzer. If the alarm type is OFF and the short buzzer flag is valid, set the alarm type to short buzzer. In transition LED request flag is ON, set the alarm type to the mode transition LED. When the low battery buzzer request flag is ON, set the alarm type to the mode transition LED. When the low battery buzzer request flag and mode transition LED request flag is OFF Mode transition LED. Set the alarm type to alarm partern. Set the low battery buzzer request flag and mode transition LED request flag to OFF Mode transition LED request flag and mode transition LED request flag to OFF Mode transition LED request flag and mode transition LED request flag to OFF Mode transition LED request flag and mode transition LED request flag to OFF Mode transition LED request flag to OFF Mode transition LED request flag and mode transition LED request flag to OFF Mode transi	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-6] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing acquisition processing of buzzer unit when the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off-processing light processing light processing within 10 msec.   Alarm processing within 10 msec.	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. and if it is 0, turn of the LED light.  1. Set the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED light on VIOT.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the Set of the LED light on VIOT.  1. Handle LED light on VIOT.  1. Handle LED light on VIOT.  2. If the ONOFF status is OFF, create a character for OFF disable.  2. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the DIADEF status is OFF, create a character for OFF disable.  1. Return the buzzer operation in progress flag.  1. Return the buzzer operation in progress flag.  3. Set the alarm periodic operation execution request flag to OFF.  2. Set the alarm periodic operation execution request flag to OFF.  3. Set the power off flag to ON.  1. Initialize the buzzer divers.  1. Set the power off flag to ON.  1. Initialize the buzzer divers.  3. If the DOWOFF setting flag is ON, carry out the following processes 2 to 6.  2. Turn on buzzer ON flag.  3. If the DOWOFF setting flag is ON, carry out the following processes 2 to 6.  2. Turn on buzzer on Viote setting flag is OFF, the buzzer ON flag is turned off and the PWM function is turned off.  4. If the LOW / Hild gis LOW, the setting value of the PWM setting buffer is set to the LOW specification.  5. Turn PMM function is turned off.  6. When the buzzer ONOFF setting flag is OF	None LED light lighting time ON/OFF result None None None None None None None None
Mode transition LED request flag 7. In cases other than the above, confirm whether alarm is issued and set each alarm to alarm type. 7. If the alarm type is OFF and the short buzzer flag is valid, set the alarm type to short buzzer. 8. Turned the alarm type is OFF and the power is not stopped, Perform 11 and 12 processing. 11. When the mode transition LED request flag is ON, Set the alarm type to the mode transition LED. 12. When the low battery buzzer request flag is ON, Set the alarm type to the mode transition LED. 13. When the low battery buzzer request flag is ON. Set the alarm type to down battery buzzer. 14. Set alarm type to alarm pattern. 15. Set the low battery buzzer request flag to OFF. 16. Set alarm type to alarm pattern. 15. Set the alarm type to pattern alarm type to low battery buzzer. 16. Set alarm type to alarm pattern. 17. In the set of the alarm type to alarm pattern. 18. Set the boot status to the INPUT value. 19. Turned the alarm type to alarm pattern. 19. Turned the alarm type to the mode transition LED request flag to OFF. 19. Set the alarm type to alarm pattern. 19. Turned the alarm type to the mode transition LED request flag to OFF. 19. Set the boot status to the INPUT value. 19. Set the boot status to the INPUT value. 20. Turned the alarm type to alarm pattern. 21. Set the boot status for Family the thort buzzer type is the key operation.	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-6] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing acquisition processing of buzzer unit when the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off-processing light processing light processing within 10 msec.   Alarm processing within 10 msec.	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DNOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ONOFF request is OFF, turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is OFF, turn off the LED light.  1. Initiatize the result flags.  2. If the ONOFF status of the LED light.  2. If the ONOFF status is OFF, create a character for OFF disolary.  3. Return result flag.  1. Initiatize the present of OFF.  2. Set the alarm parten to OFF.  3. Set the alarm parten to OFF.  3. Set the alarm parten to OFF.  4. Initiatize the buzzer dynamics in second on displays that can be alarmed the control of	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  None  None  Result flag  None  Buzzer operating flag  Alarm pattern Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm period operation check request flag  Alarm prover of flag  Alarm transition setting  Alarm prover OFF flag  Alarm prover of flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyee  Short buzzer flag  Boot status
7. If the alarm type is OFF and the short buzzer flag is valid, set the alarm type to short buzzer. 9. Turnoff the short buzzer flag. 10. When the alarm type is OFF and the power is not stopped, Perform 11 and 12 processing. 11. When the mode transition LED request flag is ON, Set the alarm type to the mode transition LED. 12. When the low battery buzzer request flag is ON, Set the alarm type to low battery buzzer. 13. Set the low battery buzzer request flag and mode transition LED request flag to OFF 14. Set alarm type to alarm pattern. 15. Set the alarm cycle operation check request flag to ON. 15. Set the alarm cycle operation check request flag to ON. 16. Set the alarm cycle operation check request flag to ON. 17. Set the boot status to the INPUT value. 18. Set the boot status to the INPUT value. 19. Short buzzer fON processing Perform short buzzer fon processing Short buzzer fype 19. Set the short buzzer fon go to the short buzzer fype is the key operation of the short buzzer flag is ON. 19. Set the short buzzer fon processing Short buzzer flag is ON. 19. Set the short buzzer flag is ON. 20. Set the	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-6] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing acquisition processing of buzzer unit when the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off-processing light processing light processing within 10 msec.   Alarm processing within 10 msec.	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DIVED lighting time is non-zero, set it ou', if it is, 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ONOFF request is ON, turn on the LED light.  1. If the ONOFF request is ON, turn on the LED light.  2. If the ONOFF request is ON, turn on the LED light.  2. If the ONOFF status is OFF, turn off the LED light.  2. If the ONOFF status is ON, create ON display characters.  3. Return result flag.  3. Return result flag.  1. Return the Duzzer operation in progress flag.  1. Return the Duzzer operation in progress flag.  1. Return the Duzzer operation in progress flag.  2. Set the alarm periodic operation execution request flag to OFF.  2. Set the alarm periodic operation execution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic operation secution request flag to OFF.  3. Initialize the alarm transition setting table.  4. If the LOW /H flag is LOW, the setting value of the PWM setting buffer is set to the PWM setting buffer is set to the LOW specification.  5. Turn PMW function is turned off.  4. If the LOW /H flag is LOW, the setting value of the PWM setting buffer is set to the LOW specification.  5. Turn PMW function is turned off.  6. High LOW of the alarm transition table is reached, turn off the a	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  None  None  Result flag  None  Buzzer operating flag  Alarm pattern Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm period operation check request flag  Alarm prover of flag  Alarm transition setting  Alarm prover OFF flag  Alarm prover of flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyee  Short buzzer flag  Boot status
1. Turnoff the short buzzer flag.	req[14-6-1-3] req[14-7-1-1] req[14-7-1-2] req[14-7-1-3] req[14-7-1-6] req[14-7-1-6] req[14-7-1-6] req[14-7-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing acquisition processing of buzzer unit when the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off-processing light processing light processing within 10 msec.   Alarm processing within 10 msec.	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DIVED lighting time is non-zero, set it ou', if it is 0, set the maximum lighting time.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ONOEF request is ON, turn on the LED light.  2. If the ONOEF request is ON, turn on the LED light.  2. If the ONOEF request is ON, turn on the LED light.  2. If the ONOEF status is OFF, turn off the LED light.  2. If the ONOEF status is ON, create ON display characters.  3. Return result flag.  1. Get the ONOEF status is ON, create ON display characters.  3. If the NOVEF status is ON, create ON display characters.  3. If the DIVER status is ON, create on the light of	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  None  None  Result flag  None  Buzzer operating flag  Alarm pattern Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm period operation check request flag  Alarm prover of flag  Alarm transition setting  Alarm prover OFF flag  Alarm prover of flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyee  Short buzzer flag  Boot status
processing.  11. When the mode transition LED request flag is ON, Set the alarm type to the mode transition LED.  12. When the low battery buzzer request flag is ON, Set the alarm type to low battery buzzer.  13. Set the low battery buzzer request flag and mode transition LED request flag to OFF 14. Set alarm type to alarm pattern.  15. Set the alarm vye to pattern on the pattern of the patter	rea[14-6-1-3] rea[14-7-1-4] rea[14-7-1-2] rea[14-7-1-2] rea[14-7-1-6] rea[14-7-1-6] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-8-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing acquisition processing of buzzer unit when the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off-processing light processing light processing within 10 msec.   Alarm processing within 10 msec.	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DNOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED light covid.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is ON, turn on the LED light.  2. If the ONOFF request is ON, turn on the LED light.  3. Return result flag.  3. Return result flag.  3. Return result flag.  3. Return result flag.  4. If the ONOFF status of the LED light.  2. If the ONOFF status of the LED light.  3. Return result flag.  4. If the ONOFF status of the LED light.  5. If the ONOFF status of the LED light.  6. If the ONOFF status of the LED light.  7. If the onoff status of the LED light.  8. If the ONOFF status of the LED light.  8. If the ONOFF status of the LED light.  9. If the ONOFF status of the LED light.  1. Return the buzzer operation in progress flag.  1. Return the buzzer operation in progress flag.  1. Return the buzzer operation in progress flag.  1. The onoff operation level of the light of the	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  None  None  Result flag  None  Buzzer operating flag  Alarm pattern Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm pattern  Alarm period operation check request flag  Alarm transition setting  Alarm provide operation request flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyee  Short buzzer flag  Boot status
12. When the low battery buzzer request flag is ON,Set the aiarm type to low battery buzzer buzzer.  13. Set the low battery buzzer request flag and mode transition LED request flag to OFF.  14. Set alarm type to aiarm patiem.  15. Set the aiarm cycle operation check request flag to ON.  15. Set the aiarm cycle operation check request flag to ON.  16. Set the boot status to the INPLIT value.  17. Set the boot status to the INPLIT value.  18. Set the short buzzer flag according to the short buzzer type.  19. Set the short buzzer flag according to the short buzzer type.  19. Set the short buzzer flag according to the short buzzer type.  19. Set the short buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the aiarm type to low battery buzzer flag is ON, Set the low battery buzzer flag is ON, Set the low battery buzzer flag is ON, Set the flag is ON, Set the low battery buzzer flag is ON, Set the low buzzer flag is ON, Set the low battery buzzer flag is ON, Set the low b	rea[14-6-1-3] rea[14-7-1-4] rea[14-7-1-2] rea[14-7-1-2] rea[14-7-1-6] rea[14-7-1-6] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-8-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing acquisition processing of buzzer unit when the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off-processing light processing light processing within 10 msec.   Alarm processing within 10 msec.	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight. 1. Set ONOFF of LED 1, LED 2, LED 3. 1. Initialize the LED light lighting time. 1. Returns ON if the LED light lighting time. 1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0. 1. If the ONOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0. 1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. 1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light. 1. Set the LED lighting time to 0. 2. Turn of the LED lighting time to 0. 2. Turn of the LED lighting time to 0. 2. Turn of the LED lighting time to 0. 2. Turn of the LED lighting time to 0. 3. Return mosulf flags. 1. If the ONOFF request is OFF, turn off the LED light. 1. Initialize the resulf flags. 2. If the ONOFF status of the LED light. 2. If the ONOFF status of the LED light. 2. If the ONOFF status is ON, create ON display characters. 3. Return mesulf flag. 3. Return mesulf flag. 4. If the ONOFF status of the LED light. 2. If the ONOFF status is ON, create ON display characters. 3. If the ONOFF status is ON, create ON display characters. 3. If the ONOFF status is OFF, create a character for OFF display. 1. Return the buzzer operation in progress flag. 1. Set the alarm periodic operation check request flag to OFF. 2. Set the alarm periodic operation resecution request flag to OFF. 3. Initiatize the buzzer processing variable. 3. Initiatize the buzzer processing variable. 4. Initiatize the buzzer processing variable. 5. Initiatize the buzzer of flag to ON. 6. Initiatize the buzzer processing variable. 6. Initiatize the buzzer of flag to ON. 6. In the ONOFF setting flag is ON, carry out the following processes 2 to 6. 7. Turn on buzzer of flag to ON. 6. In the ONOFF setting flag is ON, turn on th	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  None  None  Result flag  None  Buzzer operating flag  Alarm pattern Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm pattern  Alarm period operation check request flag  Alarm transition setting  Alarm provide operation request flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyee  Short buzzer flag  Boot status
13. Set the low battery buzzer request flag and mode transition LED request flag to OFF 14. Set alarm type to alarm pattern 15. Set the alarm cycle operation check request flag to ON.  15. Set the alarm cycle operation check request flag to ON.  16. Set the boot status to the INPUT value.  17. Set the boot status to the INPUT value.  18. Short buzzer (ON processing Perform short buzzer fon processing Short buzzer type 19. Set the short buzzer fon processing Control type Short buzzer flag to Control type Con	rea[14-6-1-3] rea[14-7-1-4] rea[14-7-1-2] rea[14-7-1-2] rea[14-7-1-6] rea[14-7-1-6] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-8-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing of buzzer unit with the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off control call   Alarm processing within 10 msec	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. For ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DNOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ONOFF request is OFF, turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  2. If the ONOFF request is OFF, turn off the LED light.  1. Initiatize the result flags.  2. If the ONOFF status is OFF, create a character for OFF disclav.  3. Return result flag.  3. Return result flag.  1. Initiatize the result flags on the LED light.  2. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create on the capture of the Control	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  None  None  Result flag  None  Buzzer operating flag  Alarm pattern Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm period operation check request flag  Alarm prover of flag  Alarm transition setting  Alarm prover OFF flag  Alarm prover of flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyee  Short buzzer flag  Boot status
15. Set the alarm cycle operation check request flag to ON.	rea[14-6-1-3] rea[14-7-1-4] rea[14-7-1-2] rea[14-7-1-2] rea[14-7-1-6] rea[14-7-1-6] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-8-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing of buzzer unit with the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off control call   Alarm processing within 10 msec	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON, turn on the backlight.  1. Set ONOFF of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DNOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ONOEF request is ON, turn on the LED light.  2. If the ONOEF request is ON, turn on the LED light.  2. If the ONOEF request is ON, turn on the LED light.  2. If the ONOEF status is OFF, create a character for OFF deside.  3. Return result flag.  1. Get the ONOEF status is ON, create ON display characters.  3. If the Status is OFF, create a character for OFF display.  1. Return the Duzzer operation in progress flag.  1. Set the alarm periodic operation execution request flag to OFF.  2. Set the alarm periodic operation secution request flag to OFF.  3. Set the alarm periodic coperation secution request flag to OFF.  4. Initialize the buzzer processing variable.  1. Initialize the alarm transition sorting table.  4. In the LOW /H flag is LOW, the setting value of the PWM setting buffer is set to the PWM setting buffer is set to the LOW yellow flag is subtracted.  3. If the PWM found the alarm transition request flag is ON, turn on the alarm cycle operation execution request flag is ON, turn on the alarm processing.  4. If the LOW /H flag is LOW, the setting value of the PWM setting buffer is set to the LOW specification.  5. Turn PMW function is turned off.  6. When the buzzer ONOEF setting flag is OFF, the buzzer ON flag is subtracted.  9. When the buzz	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  None  None  Result flag  None  Buzzer operating flag  Alarm pattern Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm pattern  Alarm period operation check request flag  Alarm transition setting  Alarm provide operation request flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyee  Short buzzer flag  Boot status
Short buzzer (ON processing Perform short buzzer (ON processing Perform short buzzer (ON processing Perform short buzzer (ON processing Short buzzer (NP processing Perform short buzzer (NP processing Short buzzer (NP processing Perform short buzzer (NP processing Short buzzer (NP p	rea[14-6-1-3] rea[14-7-1-4] rea[14-7-1-2] rea[14-7-1-2] rea[14-7-1-6] rea[14-7-1-6] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-8-1-7]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light Set ONOFF processing LED light lighting time setting process from the processing transport of the processing of the light port setting process from the processing of the light port setting processing LED light ONOFF processing.  LED light on/off display processing acquisition processing.  LED light on/off display processing led light on/off display processing.  LED light on/off display processing of buzzer unit with the power is off, buzzer mute initialization of buzzer internal variable buzzer on/off control call   Alarm processing within 10 msec	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light NOVOFF status acquisition or  processing  Parform LED light test ONOFF processing  Parform LED light lighting time setting process  Parform LED light setting process  Parform LED light of setting process  Parform LED light port setting process  Parform LED light on/off processing  Parform LED light lighting permission acquisition  processing  Parform LED light on/off display processing  Acquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Parform ONOFF control of buzzer  Perform ONOFF control of buzzer  Perform ONOFF control of buzzer	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Ret on No Fr of LED 1, LED 2, LED 3.  1. Initialize the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DNOFF request is ON, set the maximum LED lighting time; if it is OFF, set 0.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. Set the LED lighting time to 0.  2. Turn of the LED lighting time to 0.  2. Turn of the LED lighting time to 0.  1. If the ONOFF request is OFF, turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  1. If the ONOFF request is OFF, turn off the LED light.  1. Initialize the result flags.  1. Initialize the result flags.  1. Initialize the result flags.  1. Initialize the ONOFF status of the LED light.  2. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the ONOFF status is ON, create ON display characters.  3. If the DNOFF status is OFF, create a character for OFF display.  1. Return the buzzer operation in progress flag.  1. Set the adarm pattern to OFF.  3. Initialize the buzzer display characters.  3. If the ONOFF status is OFF, create a character for OFF display.  1. Initialize the buzzer processing variable.  5. Initialize the buzzer for off flag to ON.  1. Initialize the buzzer flowers of flag to ON.  1. Initialize the buzzer flowers of flag to ON.  2. In the the buzzer of flag to ON.  3. If the PVM count value is within the threshold value, the value is set to the PVM setting buffer.  4. If the LOW If If lag is LOW, the setting buffer is set to the LOW specification.  5. Turn buzzer flowers of flag to ON.  5. Turn buzzer flowers of flag to ON.  6. When the a	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  None  None  Result flag  None  Buzzer operating flag  Alarm pattern Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm period operation check request flag  Alarm prover of flag  Alarm transition setting  Alarm prover OFF flag  Alarm prover of flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyee  Short buzzer flag  Boot status
[14:8-3-4] 2. If the key operation sound setting is OFF and the short buzzer type is the key operation	rea[14-6-1-3] rea[14-7-1-4] rea[14-7-1-2] rea[14-7-1-2] rea[14-7-1-6] rea[14-7-1-6] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-8-1-2] rea[14-8-1-3] rea[14-8-1-3] rea[14-8-1-3] rea[14-8-1-3]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition oncoassing.  LED light sets ONOFF processing LED light sighting time setting process of make interrupt processing for LED LED light off setting processing LED light port setting processing LED light convolution of the c	Set ONOFF of LED  Parform LED RAM data initialization processing  Parform LED light CNOFF status acquisition crocessina  Parform LED light test CN/OFF processing  Parform LED light lighting time setting process  Parform LED light off setting process  Parform LED light off setting process  Parform LED light port setting process  Parform LED light ON/OFF processing  Parform LED light ON/OFF processing  Parform LED light on/off display processing  Parform LED light on/off display processing  Parform LED light on/off display processing  Nacquire the operation flag of the buzzer  Parform initial processing of buzzer unit  When power is off, perform buzzer mude processing  Initialize buzzer internal variable  Parform ON/OFF control of buzzer  Parform ON/OFF control of buzzer  Parform buzzer loop processing within 10 msec	ONOFF setting flag Control port number ONOFF setting flag None None None None None None None None	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Ret on No From the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. If the CNOVEF request is ON, set the maximum LED lighting time; if it is OFF, set O.  1. If the CNOVEF request is ON, set the maximum LED lighting time is not on.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. Set the LED lighting time to O.  2. Turn of the LED lighting time to O.  2. Turn of the LED lighting time to O.  2. Turn of the LED lighting time to O.  3. Return mosult flag.  1. If the ONOVEF request is OFF, turn off the LED light.  1. Intitize the result flags.  2. If the ONOVEF status is OFF, create a character for OFF disolate.  3. Return mosult flag.  3. Return mosult flag.  3. Return mosult flag.  3. If the ONOVEF status is OFF, create a character for OFF disolate.  3. Return mosult flag.  1. If the ONOVEF status is OFF, create a character for OFF disolate.  3. Return mosult flag.  1. Return the buzzer operation in progress flag.  1. Return the buzzer operation in progress flag.  1. Set the alarm partent to OFF.  2. Set the alarm partent to OFF.  2. Set the alarm partent to OFF.  3. Set the alarm partent to OFF.  3. Set the alarm of the CNOVEF setting flag is ON, carry out the following processes 2 to 6.  3. Initiatize the buzzer processing variable.  1. Initiatize the buzzer processing variable.  1. Initiatize the buzzer processing variable.  1. Initiatize the buzzer processing setting flag is ON, carry out the following processes 2 to 6.  2. Turnon buzzer ONIGE.  3. If the PVM count value is within the threshold value, the value is set to the PVM setting buffer is set to the LOW jet flag is LOW, the setting value of the PVM Most processing.  4. If the LOW JH flag is LOW, the setting value of the PVM setting buffer is set to the LOW specificatio	None  LED light lighting time  ON/OFF result  None  None  None  None  None  None  Result flag  None  Result flag  None  Alarm pattern Alarm partern and provide operation check request flag  Alarm pattern  Alarm period operation check request flag  Alarm transition setting  Power OFF flag  Alarm transition setting  Alarm period operation check request flag  Alarm provide operation check request flag  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pattern  Alarm pyele operation check request flag  Alarm power operation check request flag  Alarm pattern  Alarm pattern  Alarm power operation check request flag  Alarm pattern  Alarm power operation check request flag  Alarm pattern  Alarm pattern  Alarm pyele operation check request flag  Alarm pyele operation check request flag  Alarm pyele operation check request flag
	rea[14-6-1-3] rea[14-7-1-1] rea[14-7-1-2] rea[14-7-1-2] rea[14-7-1-3] rea[14-7-1-6] rea[14-7-1-6] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-7-1-7] rea[14-8-1-2] rea[14-8-1-3] rea[14-8-1-3] rea[14-8-1-3] rea[14-8-1-3] rea[14-8-1-3] rea[14-8-1-3] rea[14-8-1-3]	Set LED ONOFF  LED RAM data initialization  LED light ONOFF status acquisition processing.  LED light set on NOFF processing  LED light set on NOFF processing  LED light set on NOFF processing  LED light port setting process  LED light port setting process  LED light port setting processing  LED light off setting processing  LED light on NOFF processing  Acquire buzzer operation flag  Initial processing of buzzer unit  When the power is off, buzzer mute  Initialization of buzzer internal  variable  Buzzer ON/OFF control call   Buzzer loop processing   Buzzer loop processing   Buzzer loop processing	Set ONOFF of LED  Parform LED RAM data initialization processing  Perform LED light NOFF status acquisition processing  Perform LED light test ON/OFF processing  Perform LED light lighting time setting process  Perform LED light off setting process  Perform LED light off setting processing  Perform LED light lighting processing  Perform LED light lighting processing  Perform LED light lighting processing  Perform LED light on/off display processing  Perform LED light on/off display processing  Acquire the operation flag of the buzzer  Perform initial processing of buzzer unit  When power is off, perform buzzer mute processing  Initialize buzzer internal variable  Perform ON/OFF control of buzzer  Perform David Perform buzzer  Perform buzzer floop processing within 10 msec	ONOFF setting flag Control port number ONOFF setting flag None None None None None None ONOFF request LED lighting time LED lighting time LED lighting time None None None None None None None Non	1. When the ONOFF setting flag is ON. turn on the backlight.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time.  1. Returns ON if the LED light lighting time is not 0, and OFF if it is 0.  1. If the DNOFF request is ON, set the maximum LED lighting time is first of the control of the lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time is non-zero, decrement the lighting time and turn on the LED light.  1. If the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. Turn off the LED lighting time to 0.  2. If the ONOFF request is ON, turn on the LED light.  2. If the ONOFF request is ON, turn on the LED light.  2. If the ONOFF status of the LED light.  2. If the ONOFF status of the LED light.  2. If the ONOFF status of the LED light.  2. If the ONOFF status of the LED light.  2. If the ONOFF status of the LED light.  3. Return resulf flag.  3. Return mealt flag.  1. Return the Duzzer operation in progress flag.  1. Return the Duzzer operation in progress flag.  1. Return the Duzzer operation in progress flag.  2. Set the alarm parten to OFF.  2. Set the alarm parten to OFF.  2. Set the alarm parten to OFF.  3. Set the alarm parten to OFF.  3. If the ONOFF status of the carea character for OFF disclev.  5. Initialize the buzzer processing variable.  1. Initialize the buzzer processing variable.  1. Initialize the buzzer processing variable.  1. Initialize the buzzer processing variable.  2. When the buzzer ONOFF setting flag is ON, carry out the following processes 2 to 6.  2. Turnon buzzer of flag to ON.  3. If the DWM control flag is LOW, the setting value of the PWM setting buffer is set to the LOW specification.  5. Turn PMW function on.  6. Turn PMW function on.  6. Turn PMW function on.  6. Turn PMW function on.  7. Tu	None None  LED light lighting time ON/OFF result None None None None None None None None

	Periodic processing for changing the alarm based on the alarm	Perform periodic processing for changing the alarm based on the alarm transition setting table	Alarm transition setting table Alarm pattern	Retrieve the current data from the alarm transition setting table.     If it is not the end of the alarm transition table, the following processes 3 to 5 are	Buzzer volume
req[14-8-3-5]	transition setting table		Alarm transition table Buzzer volume setting	executed.  3. When the buzzer volume setting is LOW, the buzzer volume is set to LOW.	
16d[14-0-2-2]			Stealth setting	<ol><li>When the stealth setting is ON, turn off the buzzer and the LED.</li></ol>	
			Buzzer cycle type Main unit error status	<ol><li>When the stealth setting is OFF, set the state to each device.</li></ol>	
	Fetch the current data from the alarm transition setting table	Retrieve the current data from the alarm transition setting table	Alarm transition setting table Alarm pattern	Toggle the alarm pattern when the alarm pattern alternates between 1st and 2nd.     Based on the current alarm pattern, take out ON/OFF setting status of buzzer,	Alarm transition setting table Alarm setting
rea[14-8-3-6]	alaini transition setting table	setting table	Alarm setting	motor and LED.	Alarm transition table
			Alarm transition table	Set state to each device.     Retrieve the buzzer frequency from the alarm pattern.	
	Alarm Request Analysis	Perform alarm request analysis	Alarm transition setting table	Set buzzer sound pressure from buzzer frequency.     Retrieve the alarm pattern in the current state.	Alarm transition setting table
req[14-8-3-7]	Alarm Request Analysis	renorm alarm request analysis	Alarm setting	<ol><li>When the alarm pattern has changed from the previous time, initialize the ringing</li></ol>	Alarm transition setting table
	Mode transition LED control 250msec	Processing every 250 msec to control the mode	Alarm pattern Measurement mode / display mode flag	parameter.  1. Initialize the mode confirmation flag with OFF.	Low battery buzzer request flag
	processing	transition LED and buzzer	AIR calibration flag Battery status flag	Initialize the low battery flag with OFF.     Initialize 4-second counter with 0.	Mode transition LED request flag
			Dattery status riag	4. When the other than measurement mode and display mode, Set the mode	
				confirmation flag to ON.  5. When the AIR calibration flag is ON, the mode confirmation flag set to ON.	
req[14-8-5-1]				When the battery status flag is below low battery, the low battery flag set to ON.     When the mode confirmation flag and low battery flag is OFF, the 4-second counter	
				set to 0.	
				Increment the 4-second counter.     when the 4-second counter has passed 4 seconds, the 4-second counter set to 0	
				and perform the following processing.  10. When the low battery flag is ON, the low battery buzzer request flag set to ON.	
reg[14-9-1-1]	Acquisition of motor operation flag	Acquire motion flag of motor	None	When the low battery flag is OFF, the mode transition LED request flag set to ON.     Return the running flag of the motor.	Motor running flag
		Perform ON/OFF control of vibration motor	Vibration motor ON/OFF setting flag	Set the vibration motor ON/OFF.	None None
req[14-9-1-3]	Set the vibration motor ON/OFF	Set ON/OFF of vibration motor	ON/OFF setting flag	When the ON/OFF setting flag is ON, turn on the vibration motor.     When the ON/OFF setting flag is OFF, the vibration motor is turned off.	Port Setting
req[14-10-1-1]	Confirm ON/OFF of key port	Confirm ON/OFF setting of port of key	None	Return the key port state confirmation processing.	Key port flag
	10 msec interrupt for key processing (every 10 msec)	Performs 10 msec interruption processing for key processing	Event timeout count No operation time count	Count down the timeout count.     If the counter every 1 second is 0, after counting down the no-operation timeout count,	Event timeout count No operation time count
req[14-10-1-2]			Confirmed key input data	set the counter every second for 100.  3. Read the pressed state of the key.	Counter every second
	Confirm port status of key	Confirm the port state of the key	None	Check the port status of the key.	As a result of inverting PORT 14, 15
req[14-10-2-1] req[14-10-2-2]	Output ZIPC key event Acquisition of key reset flag	Perform output process of ZIPC key event  Acquire key reset flag	None None	Return key event of ZIPC.     Return the release flag of the key.	Key event Return flag of key
req[14-10-2-2]	Acquisition of timeout time	Acquire timeout time	None	Return timeout count.	Remaining time
	Create event for ZIPC of key	Create event for ZIPC of the key	Confirmed key event storage buffer Set key release flag	When interrupt processing occurs while pressing the key, execute the following processing 2 to 6.	ZIPC key event ON/OFF setting flag
rea[1/-10.2.4]			Key separation process No operation timeout	Failure the presence or absence of an event.	Judgment result
req[14-10-2-4]			Event timeout count	Turnoff the old key.     Under the current key event in the key event of ZIPC.	
			Key press state flag ZIPC key event	Set the release flag of the key to 2.     Returns existence of event.	
req[14-10-2-5]	Set no operation timeout time	Perform setting process of no operation timeout time	Flag at timeout execution No operation time count	If the non-operation timeout count is 0, turn off the flag at timeout execution.     If the non-operation timeout count is other than 0, turn on the flag at timeout execution.	Flag at timeout execution No operation time count
reg[14-10-2-6]	Set timeout time	Perform setting process of timeout time	No operation time count Flag at timeout execution	1. When the timeout count is 0, turn off the flag when executing no operation timeout.	No operation time count Flag at timeout execution
req[14-10-2-6]			Key press time	<ol><li>If the timeout count is other than 0, turn on the flag when executing no operation timeout.</li></ol>	
	Confirmation processing of key event state	Performs the key event state deend process	Key press time Confirmed key input	If the old key and the new key are the same, press and hold processing is executed.     If the old key and the new key are not the same, initialize the key press time.	Confirmed key input data
req[14-10-2-7]				<ol><li>When a new key is being pressed, a process corresponding to the pressed key is executed.</li></ol>	
				<ol> <li>If the new key is not pressed, the release flag of the key is initialized.</li> <li>Reset the LCD backlight timer when there is a key event update.</li> </ol>	
		Conversion processing of the temperature value of	Gas setting	<ol> <li>When the voltage value is 0 mV, set the temperature value to 0°C.</li> </ol>	Temperature value
req[14-11-1-1]	value of RL78 (once per 1 sec)	RL78 is performed		<ol><li>When the voltage value is not 0 mV, obtain the maximum voltage value or the minimum voltage value.</li></ol>	
				<ol><li>If a combustible sensor is installed, acquire the temperature correction value for installing NC.</li></ol>	
	Pump control initialization processing	Perform pump control initialization processing	None	Initialize the pump startup processing phase flag.	Pump startup processing phase flag
		, , , , , , , , , , , , , , , , , , , ,		Initialize the variable for 1000msec count.     Initialize the flag backup during pump operation.	Variable for 1000msec count Pump running flag backup
req[14-12-1-1]				Stop pump drive.	r unip running nag backup
				5. Set Pump Lo/Hi to Lo. 6. Turn off the pump power.	
	Pump control processing	Perform pump control processing	Action request Lo/Hi request	Initialize the operation switching flag.     If the backup operation flag of the pump is different from the operation request, turn ON	Pump startup processing phase flag Variable for 1000msec count
				the operation switching flag.  3. Increment the 1000msec count variable.	Pump running flag backup
req[14-12-1-2]				4. If the 1000msec count variable is greater than or equal to the default value or if the	
				operation switching flag is ON, process 5 is performed.  5. When the operation switching flag is ON, update the pump start processing phase flag	
				according to the operation request and drive the pump.  6. Assign the operation request to the backup flag for pump operation.	
rea[14-12-1-3]	Pump operation phase acquisition	Perform pump operation phase acquisition process	Pump startup processing phase flag	<ol> <li>Returns true if the pump startup processing phase flag is NORMAL or END, otherwise returns false.</li> </ol>	Phase flag
	process			A Mile and the second of the s	
	Pump operation phase processing	Perform pump operation phase processing	Lo/Hi request	If the pump start processing phase flag is other than END, perform the following	Pump startup processing phase flag
req[14-12-1-4]	Pump operation phase processing		Pump startup processing phase flag	processing.  2. Update the pump startup processing phase flag according to the pump startup	
req[14-12-1-4]		Perform pump operation phase processing  Perform pump operation setting request processing		processing.  2. Uodate the numb startup processing phase flag according to the numb startup  1. If the operation request is ON, set the numb power supply to ON, the numb Lo/Hi to Lo/Hi request, and the numb drive to ON.	Pump startup processing phase flag  None
	Pump operation phase processing  Pump operation setting request processing	Perform pump operation setting request processing	Pump startup processing phase flag  Action request Lo'Hi request	processing.  2. Undate the pump startup processing phase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoHri to LoHri request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump loHri puth and DFF for the pump flower.	None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF	Perform pump operation setting request processing  Perform pump power ON/OFF	Pump startup processing phase flag Action request Lo'Hi request ON/OFF request	processing.  2. Uddate the quimo startup processing chase flag according to the quimo startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to Lucht request, and the pump drive to LoV.  2. If the operation request is OPF, substitute OPF for the pump power, Lo for the pump.  1. Turn on the pump power port when the ONIOEF request is ON.	
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6]	Pump operation phase processing  Pump operation setting request processing	Perform pump operation setting request processing	Pump startup processing phase flag  Action request Lo'Hi request	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoH it to LoHri request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump 1. Turn on the pump power power power to the pump power power power power to the ONOFF request is ON.  2. Turn off the pump power port when the ONOFF request is OFF.  1. Turn ON the pump LoHF port when the LOHF request is Hi.	None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF	Perform pump operation setting request processing  Perform pump power ON/OFF	Pump startup processing phase flag Action request Lo'Hi request ON/OFF request	processing.  2. Update the pump startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoPH and OFF fire the pump drive.  2. If the operation request is OFF, substitute OFF request is ON.  2. Turn off the pump LoPH power for if the ONOFF request is OFF.  1. Turn ON the pump LoPH port when the LOPH request is H.  2. Turn off the pump LoPH port when the LOPH request is H.  2. Turn off the pump to Pump the ONOFF request is ON.	None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump drive ON/OFF  Pump OFF start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump drive ON/OFF  Perform pump OFF start processing	Pump startup processing phase flag Action request LoHir request ON/OFF request LoHir request Action request None	processing.  2. Uodate the pump startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPit to LoPit request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoPit and CPF for the pump drive.  1. Turn on the pump power port when the ONDEF request is ON.  1. Turn ON the pump LoPit port when the LoPit request is OFF.  2. Turn ON the pump LoPit port when the LoPit request is IN.  2. Turn ON the pump LoPit port when the LoPit request is IN.  2. Turn ON the pump drive port when the Copy in the pump LoPit port when the LoPit request is IN.  2. Turn ON the pump drive port when the Operation request is ON.  2. Turn Off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is Off.  1. Perform logger measurement stop processing.	None None None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-8]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LO/Hi setting  Pump drive ON/OFF	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump Lo/H setting  Perform pump drive ON/OFF	Pump startup processing phase flag Action request LoHi request ON/OFF request LoHi request Action request	processing.  2. Uodate the pump startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoPH and COFF for the pump chief, and OFF for the bump drive.  1. Turn on the pump power port when the ONOFF request is ON.  2. Turn off the pump owered port of the ONOFF request is OFF.  2. Turn off the pump LoPH port when the LoPH request is Lo.  1. Turn ON the pump fump the port when the LoPH request is Lo.  1. Turn ON the pump fump the port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  1. Perform logger measurement stop processing.  1. Perform the following processing when the pump ONOFF acquisition result is ON.  2. Update the peak value to the current concentration value.	None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-8]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump drive ON/OFF  Pump OFF start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump drive ON/OFF  Perform pump OFF start processing	Pump startup processing phase flag Action request LoHir request ON/OFF request LoHir request Action request None	processing.  2. Uodate the pump startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoHr request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump to LoPH to LoHr request is OFF.  1. Turn on the pump power port when the ONIOFF request is ON.  2. Turn off the ourne cower port if the ONIOFF request is OFF.  1. Turn ON the pump LoPH port when the LoPH request is IN.  2. Turn ON the pump LoPH port when the LoPH request is IN.  2. Turn ON the pump foreign to the pump the power power power is IN.  2. Turn ON the plomp drive port when the Copression request is ON.  2. Turn ON the plomp drive port when the operation request is ON.  2. Turn ON the plomp drive port when the operation request is ON.  2. Turn ON the plomp grower power p	None None None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-8]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump drive ON/OFF  Pump OFF start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump drive ON/OFF  Perform pump OFF start processing	Pump startup processing phase flag Action request LoHir request ON/OFF request LoHir request Action request None	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoH to LoH request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoH request is OFF, substitute OFF request is ON.  2. Turn of the pump power port when the ONOFF request is OFF.  1. Turn of the pump LoH port when the ONOFF request is OFF.  2. Turn Off the pump LoH port when the LoH're request is IN.  2. Turn Off the pump LoH port when the LoH're request is IN.  2. Turn Off the pump forw port when the LoH're request is IN.  2. Turn Off the pump forw port when the LoH're request is IN.  2. Turn Off the pump drive port when the operation request is ON.  2. Turn Off the pump drive port when the operation request is ON.  3. Turn Off the pump drive port when the operation request is ON.  4. Indicate the integrated value to processing when the purpose on the pump forward in the purpose of the pump forward in the pump fo	None None None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-8] req[14-12-1-9]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump drive ON/OFF  Pump OFF start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump drive ON/OFF  Perform pump OFF start processing	Pump startup processing phase flag Action request LoHir request ON/OFF request LoHir request Action request None	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoH it to LoH request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoH request is ON.  2. If the operation request is OFF, substitute OFF request is ON.  2. Turn off the pump power port when the ONOFF request is ON.  2. Turn off the pump LoH port when the LOHF request is IN.  2. Turn ON the pump LoH port when the LOHF request is IN.  2. Turn ON the pump LoH port when the LOHF request is IN.  2. Turn ON the pump drive port when the operation request is ON.  2. Turn ON the pump drive port when the operation request is off.  1. Perform the following processing when the pump ONOFF acquisition result is ON.  2. Update the peak value to the current concentration value.  2. Update the peak value to the current concentration value.  4. Initiatize the integrated value form the saft of measurement time.  5. Initiatize the integrated value form the start of measurement.  6. Initiatize the Integrated value form the start of measurement.  6. Initiatize the Turka value, STEL Duffers, and buffer pointers.	None None None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-8] req[14-12-1-9]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump drive ON/OFF  Pump OFF start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump drive ON/OFF  Perform pump OFF start processing	Pump startup processing phase flag Action request LoHir request ON/OFF request LoHir request Action request None	processing.  2. Uodate the pump startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoPH and to Perform the pump power power, Lo for the pump LoPH and ToPF for the pump drive.  1. Turn on the pump ower port when the ONOFF request is ON.  2. Turn off the pump ower power off the ONOFF request is OFF.  2. Turn off the pump LoPH port when the LoPH request is Lo.  1. Turn ON the pump drive port when the LoPH request is Lo.  2. Turn off the pump drive port when the operation request is ON.  2. Turn ON the pump drive port when the operation request is ON.  2. Turn ON the pump drive port when the operation request is ON.  3. In the Company of the pump drive port when the operation results is off.  1. Perform the following processing when the pump ONOFF acquisition result is ON.  3. Initialize the integrated value of the average value every 60 seconds.  4. Initialize the average value for the entire measurement time.  5. Initialize the TVA value and TVA buffer.	None None None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-8] req[14-12-1-9]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump drive ON/OFF  Pump OFF start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump drive ON/OFF  Perform pump OFF start processing	Pump startup processing phase flag Action request LoHir request ON/OFF request LoHir request Action request None	processing.  2. Uodate the pump startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoPH and the pump drive power to the one of the Control of	None None None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-8] req[14-12-1-10]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump OFF start processing  Pump OFF end processing  Pump OFF display processing  Pump OFF display on/OFF setting	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump OFF start processing  Perform pump OFF and processing  Perform pump OFF display processing  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start	Pump startup processing phase flag Action request LoH request LoH request LoH request Action request None None	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoHi to LoHi request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoHi to the pump and the pump drive power than the Company of the pump power power to the the ONOFF request is ON.  2. Turn Off the pump power power than the ONOFF request is OFF.  3. Turn ON the pump LoHi port when the LOHI request is IN.  2. Turn Off the pump LoHi port when the LOHI request is IN.  2. Turn ON the pump drive port when the LOHI request is IN.  2. Turn Off the pump drive port when the operation request is ON.  2. Turn Off the pump drive port when the operation request is off.  1. Perform the following processing when the pump ONOFF acquisition result is ON.  2. Update the peak value to the current concentration value.  1. Initialize the average value for the entire measurement time.  4. Initialize the average value for the entire measurement.  5. Initialize the integrated value from the start of measurement.  6. Initialize the average value for the current concentration.  8. Turn off the resume flag.  9. Perform logger measurement start processing.	None None None None None None
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-7] req[14-12-1-7] req[14-12-1-10]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump OFF start processing  Pump OFF end processing  Pump OFF display processing  Pump OFF display ON/OFF setting start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoFH setting  Perform pump OFF setting setting  Perform pump OFF display processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting start processing	Pump startup processing phase flag Action request LoH'r request LoH'r request LoH'r request Action request None None	processing.  2. Uodate the pourn startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoHr request, and the pump drive to CN.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoHr to LoHr request, and the pump drive power to the pump power, Lo for the pump to LoHr to the NoVOFF request is ON.  2. Turn ON the pump LoHr bort when the LoHr request is IN.  2. Turn ON the pump LoHr bort when the LoHr request is IN.  2. Turn ON the pump to Pump to Pump to LoHr to Pump to Pum	None None None None None None None None
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-7] req[14-12-1-7] req[14-12-1-10] req[14-12-1-11] req[14-12-1-11]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LO'HI setting  Pump OFF start processing  Pump OFF and processing  Pump OFF display processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump OFF setting  Perform pump OFF and processing  Perform pump OFF display processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start processing	Pump startup processing phase flag Action request LOH request LOH request LOH request Action request Action request None None None None	processing.  2. Update the pump startup processing chase flag according to the pump startup  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power. Lo for the pump  1. If the operation request is OFF, substitute OFF request is ON.  2. Turn off the pump LoPH power has the ONOFF request is OFF.  1. Turn ON the pump LoPH port when the LoPH request is IN.  2. Turn off the pump LoPH port when the LoPH request is IN.  2. Turn off the pump toPH port when the LoPH request is IN.  2. Turn off the pump drive port when the LoPH request is IN.  2. Turn off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  3. Indicate the integrated value of the current concentration value.  3. Initiatize the integrated value of the average value every 60 seconds.  4. Initiatize the average value for the current concentration value.  5. Initiatize the integrated value from the start of measurement.  6. Initiatize STEL values, STEL buffers, and buffer pointers.  7. Initiatize STEL values, STEL buffers, and buffer pointers.  8. Perform loggiff measurement start processing.  9. Perform loggiff measurement start processing.  1. Create character data for OFF display.  2. Create character data for Unit surprocessing.  1. Assign the pump OFF displays vesting to the lies measurement.	None None None None None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-7] req[14-12-1-10] req[14-12-1-10] req[14-12-1-10] req[14-12-1-11] req[14-12-1-12]	Pump operation phase processing  Pump operation setting request processing  Pump over ON/OFF  Pump LOHI setting  Pump off start processing  Pump OFF end processing  Pump OFF display processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting display on/OFF setting start processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump OFF setting  Perform pump OFF data processing  Perform pump OFF dasplay processing  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting end concessing	Pump startup processing phase flag Action request LoHi request CoNOFF request LoHi request Action request None None None Pump OFF display setting Item selection number Item selection number	processing.  2. Undate the quime startup processing chase flag according to the quime startup.  1. If the operation requires I ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump drive to CNH.  1. OF the pump to the DNH.  2. The pump to the pump drive to CNH.  2. The pump to the pump drive to CNH.  2. The pump to the pump drive power to the the ONIOF request is ON.  2. The pump to the pump to the pump to the pump power pump to the pump to th	None None None None None None None None
req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-7] req[14-12-1-10] req[14-12-1-10] req[14-12-1-11] req[14-12-1-11] req[14-12-1-11]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump OFF start processing  Pump OFF and processing  Pump OFF display processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting send processing  Pump OFF display ON/OFF setting  Form OFF display ON/OFF setting  Pump OFF display ON/OFF setting	Perform pump operation setting request processing  Perform pump power ON'OFF  Perform pump Lo'H setting  Perform pump Lo'H setting  Perform pump OFF start processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting display processing  Perform pump OFF display ONOFF setting display occossing  Perform pump OFF display ONOFF setting display occossing  Perform pump OFF display ONOFF setting display occossing	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None The pump OFF display setting Item selection number Item selection number Item selection number	processing.  2. Undate the quimo startup processing chase flag according to the pump startup.  1. If the operation requise is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump their to CN.  LoPH request, and the pump their to CN.  LoPH request, and the pump their to CN.  LoPH and OFE for the guino drive.  1. Turn of the pump power port when the ONOFF request is ON.  2. Turn of the pump power port when the ONOFF request is ON.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump to the port when the LoPH request is IN.  3. Turn of the pump drive port when the LoPH request is IN.  4. Turn ON the pump drive port when the LoPH request is IN.  5. Turn of the pump drive port when the LoPH request is IN.  6. Turn of the pump drive port when the correction request is IN.  7. Turn of the pump drive port when the present process is IN.  8. Turn of the pump drive port when the pump ONOFF acquisition result is ON.  9. Loped the peak value to the current concentration value.  9. Initialize the integrated value for the earlier measurement time.  9. Initialize the integrated value for the entire measurement time.  9. Initialize the Turn Values of ITL Lowers, and Lowers of Integrated value for the start of measurement.  10. Initialize the Turn Values and TWA buffer.  11. Turn of the pump OFF display of the pump OFF display setting.  12. Turn on the FRAM write start files.  13. Assign the pump OFF display setting to the item selection number.  14. Swap the ONOFF setting of the item selection number.	None None None None None None None None
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-7] req[14-12-1-7] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LOHI setting  Pump off setting  Pump OFF set processing  Pump OFF and processing  Pump OFF display processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting setting very setting setting processing  Pump oFF display ON/OFF setting setting processing  Pump stop flag setting process  Pump stop flag acquisition	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump LoHs setting  Perform pump OFF start processing  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting display  Perform pump OFF display ON/OFF setting ON	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None Item selection number	processing.  2. Undate the quime startup processing chase flag according to the guime startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump their to LoPH request, and the pump their to CN.  LoPH request, and oFE for the guime drive.  1. Turn of the pump power port when the ONOFF request is ON.  2. Turn off the pump power port when the ONOFF request is OFF.  1. Turn ON the pump LoPH port when the LoPH request is IN.  2. Turn off the pump LoPH port when the LoPH request is IN.  2. Turn off the pump LoPH port when the LoPH request is IN.  2. Turn ON the pump to the port when the LoPH request is IN.  2. Turn ON the pump drive port when the LoPH request is IN.  2. Turn ON the pump drive port when the LoPH request is IN.  2. Turn ON the pump drive port when the LoPH request is IN.  3. Turn ON the pump drive port when the Coperation of the IN.  4. Turn ON the pump drive port when the Question request is IN.  5. Turn ON the pump drive port when the operation request is IN.  6. Intellize the integrated value to the average value were yet 0 seconds.  6. Initialize the integrated value for the entire measurement time.  6. Initialize the integrated value for the entire measurement time.  6. Initialize the integrated value for the entire measurement.  6. Initialize the Turn Values and TWA buffer.  7. Initialize STEL values, STEL buffers, and buffer pointers.  8. Perform logger measurement start processing.  7. Create character data for CPE ridgilly.  7. Create character data for CPE ridgilly.  7. Create the character data for the quump OFF display setting.  8. Turn on the FRAM wrise start flas.  1. Assign the pump OFF display setting of the item selection number.  1. Substitute the ONOFF request to the pump operating the little measurement.  8. Substitute the ONOFF request to the pump stopped flag.  1. Return the pump stopped flag.	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump stop flag  Pump stop flag
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-7] req[14-12-1-7] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LofH setting Pump OFF display processing Pump OFF display processing Pump OFF display ONOFF setting ONOFF selection processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LOHi setting  Perform pump LOHi setting  Perform pump OFF setting display processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting display processing processing	Pump startup processing phase flag Action request LoPH request LoPH request Action request None None None Pump OFF display setting Item selection number	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup  1. If the operation request is ON, set the pump power supply to ON, the pump LoPit to  Leth' request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  1. If the operation request is OFF, substitute OFF request is ON.  2. Turn off the pump power port when the ONOFF request is ON.  2. Turn off the pump LoPit port when the ONOFF request is OFF.  1. Turn ON the pump LoPit port when the LoPit request is IN.  2. Turn Off the pump LoPit port when the LoPit request is IN.  2. Turn Off the pump street port when the LoPit request is IN.  2. Turn Off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is off.  1. Perform the following processing when the pump ONOFF acquisition result is ON.  2. Update the peak value to the current concentration value.  1. Perform the following processing when the pump off off off off off off off off off of	None None None None None None None None
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-7] req[14-12-1-7] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LoPH setting Pump OFF display processing Pump OFF display processing Pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting pump OFF display ONOFF setting pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting one of coressing Pump OFF display ONOFF setting start processing Pump Start processing Pump Start processing Pump stop file getting process Pump stopped flag acquisition Pump stop file setings crosses Pump stopped flag acquisition Pump top for sensor cortor	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHi setting  Perform pump LoHi setting  Perform pump OFF setting display processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting display processing  Perform pump Setting display ONOFF setting display processing process perform pump setting display	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None Item selection number	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup  1. If the operation request is ON, set the pump power supply to ON, the pump LoFit to  LeHr lequest, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  1. If the operation request is OFF, substitute OFF request is ON.  2. Turn off the pump cower power when the ONOFF request is OFF.  1. Turn ON the pump LoFit port when the LOHF reguest is IN.  2. Turn Off the pump LoFit port when the LOHF request is IN.  2. Turn Off the pump LoFit port when the LOHF request is IN.  2. Turn Off the pump drive port when the ONOFF sequest is IV.  3. Turn ON the pump drive port when the OPER request is IV.  4. Turn ON the pump drive port when the OPER request is IV.  5. Turn Off the pump drive port when the OPER request is IV.  5. Turn Off the pump drive port when the OPER request is IV.  6. Turn Off the pump drive port when the OPER request is IV.  7. Turn Off the pump drive port when the OPER request is IV.  8. Turn Off the pump drive port when the OPER request in IV.  9. Ferform logger measurement stop processing when the pump ONOFF acquisition result is ON.  9. Infallate the integrated value for the average value every 60 seconds.  1. Infallate the IVE.  1. Initialize The Lower of IVE.  1. Initialize The Lower of IVE.  1. Initialize The Lower of IVE.  1. OPER Control of the request that processing.  1. Create character data for OFF display.  1. Assign the item selection number to the pump OFF display setting.  1. Assign the item selection number to the pump OFF display setting.  1. The operation of IVE.  1. Swep the ONOFF setting of the Item selection number.  1. Substitute the ONOFF setting of the Item selection number.  1. Substitute the ONOFF setting of the Item selection number.  1. Initialize The pump LoHf flag.	None  None  None  None  None  None  None  None  None  Item selection number  Pump OFF display setting  None  Item selection number  Pump stop flag  Pump stop flag  Pump stop flag  Pump LoFil flag  Pump LoFil flag  Pump LoFil flag  Pump pump flag
rea[14-12-1-4] rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LoPH setting Pump OFF display processing Pump OFF display processing Pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting pump OFF display ONOFF setting pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting one of coressing Pump OFF display ONOFF setting start processing Pump Start processing Pump Start processing Pump stop file getting process Pump stopped flag acquisition Pump stop file setings crosses Pump stopped flag acquisition Pump top for sensor cortor	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHi setting  Perform pump LoHi setting  Perform pump OFF setting display processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting display processing  Perform pump Setting display ONOFF setting display processing process perform pump setting display	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None Item selection number	processing.  2. Undate the pump startup processing chase flag according to the pump startup  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to  LoHF request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  LoHF and OFF fire the pump drive.  2. If the operation request is OFF, substitute OFF request is ON.  2. Turn off the pump LoHF port when the ONOFF request is OFF.  1. Turn ON the pump LoHF port when the LOHF request is IN.  2. Turn off the pump LoHF port when the LOHF request is IN.  2. Turn off the pump drive port when the LOHF request is IN.  2. Turn off the pump drive port when the OPER request is IN.  2. Turn off the pump drive port when the OPER request is IN.  2. Turn off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  3. Institute the reason of the operation request is IN.  4. Institute the average value of the entire measurement stude.  4. Institute the average value of the entire measurement time.  5. Institute the TWA value and TWA buffer.  6. Institute the TWA value and TWA buffer.  7. Institute TWA value and TWA buffer.  8. Turn off the resume flag.  9. Perform logger measurement start processing.  1. Create character data for OFF display.  1. Assign the tern selection number to the pump OFF display setting.  1. Assign the item selection number to the pump OFF display setting.  1. Turn oft her RAM wise start flag.  1. Institute the ONOFF request to the pump stopped flag.  1. Return the pump stop flag.  1. Institute the pump LoHF flag.  1. Institute the pump	None  Item selection number  Pump OFF display setting  None  Pump stop flag  Pump Pump stop fl
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-7] req[14-12-1-7] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1] req[14-12-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LoPH setting Pump OFF display processing Pump OFF display processing Pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting pump OFF display ONOFF setting pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting one of coressing Pump OFF display ONOFF setting start processing Pump Start processing Pump Start processing Pump stop file getting process Pump stopped flag acquisition Pump stop file setings crosses Pump stopped flag acquisition Pump top for sensor cortor	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHi setting  Perform pump LoHi setting  Perform pump OFF setting display processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting display processing  Perform pump Setting display ONOFF setting display processing process perform pump setting display	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None Item selection number	processing.  2. Undate the gume startup processing chase flag according to the gume startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump drive to CNN.  1. OF the pump to the pump drive to CNN.  2. Turn of the pump power power to the to CNN.  2. Turn of the pump power power twhen the ONCPF request is ON.  2. Turn of the pump LoPH power when the ONCPF request is ON.  2. Turn of the pump LoPH power when the LoPH request is IN.  2. Turn of the pump LoPH power when the LoPH request is IN.  2. Turn of the pump LoPH power when the LoPH request is IN.  2. Turn of the pump LoPH power when the LoPH request is IN.  2. Turn of the pump drive power when the LoPH request is IN.  2. Turn of the pump drive power when the LoPH request is IN.  2. Turn of the pump drive power when the coveration request is IN.  3. Turn of the pump drive power when the coveration request is IN.  4. Indicate the pump drive power when the coveration request is IN.  5. Initialize the integrated value to the everage value very 60 seconds.  4. Initialize the integrated value to the everage value very 60 seconds.  5. Initialize the integrated value for the everage value very 60 seconds.  6. Initialize the integrated value for the strat of measurement time.  6. Initialize the integrated value for the strat of measurement.  6. Initialize the integrated value for the strat of measurement.  7. Turn of the pump drive flags when the strat of measurement.  8. Initialize the integrated value that the strate of measurement.  9. Perform logger measurement start processing.  1. Create character data for OFE display.  2. Create the character data for the numo ON disclaw.  1. Assign the pump OFE display setting to the item selection number.  1. Assign the pump OFE display setting to the item selection number.  1. Substitute the ONOFF request to the pump OFF display setting.  1. Initialize the pump OFE flags and the pump of the pump stopped flag.  1. Initialize the pump LoPH request to the pump stop	None None None None None None None None
rea[14-12-1-4] rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LoPH setting Pump OFF display processing Pump OFF display processing Pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting pump OFF display ONOFF setting pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting one of coressing Pump OFF display ONOFF setting start processing Pump Start processing Pump Start processing Pump stop file getting process Pump stopped flag acquisition Pump stop file setings crosses Pump stopped flag acquisition Pump top for sensor cortor	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHi setting  Perform pump LoHi setting  Perform pump OFF setting display processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting display processing  Perform pump Setting display ONOFF setting display processing process perform pump setting display	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None Item selection number	processing.  2. Uodate the poum startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoHr request, and the pump drive to CN.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoHr operation request is OFF, substitute OFF request is ON.  7. Turn off the pump power port when the ONOFF request is OFF.  7. Turn ON the pump LoPH port when the LOHr request is OFF.  7. Turn ON the pump LoPH port when the LOHr request is IN.  7. Turn ON the pump LoPH port when the LOHR request is IN.  7. Turn ON the pump LoPH port when the LOHR request is IN.  7. Turn ON the pump flower power power in the operation request is ON.  7. Turn ON the pump flower power power in the operation request is IN.  7. Turn ON the pump flower power power in the operation request is IN.  7. Turn ON the pump flower power power in the operation request is IN.  7. Turn ON the pump flower power power power in the operation request is IN.  7. Turn ON the pump flower power p	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump atop flag  Pump atop flag  Pump Loth quest flag  Pump puming flag
rea[14-12-1-4] rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LoPH setting Pump OFF display processing Pump OFF display processing Pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting pump OFF display ONOFF setting pump OFF display ONOFF setting start processing Pump OFF display ONOFF setting one of coressing Pump OFF display ONOFF setting start processing Pump Start processing Pump Start processing Pump stop file getting process Pump stopped flag acquisition Pump stop file setings crosses Pump stopped flag acquisition Pump top for sensor cortor	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHi setting  Perform pump LoHi setting  Perform pump OFF setting display processing  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting start  processing  Perform pump OFF display ONOFF setting display processing  Perform pump Setting display ONOFF setting display processing process perform pump setting display	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None Item selection number	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup  1. If the operation request is ON, set the pump power supply to ON, the pump LoFit to  LoFit request, and the pump drive to CN.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  1. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  1. Turn on the pump power port when the ONOFF request is ON.  2. Turn Off the ourne cower cort if the ONOFF request is OFF.  1. Turn ON the pump LoFit port when the LoFit request is OFF.  2. Turn Off the pump LoFit port when the LoFit request is IN.  2. Turn Off the pump forwer port when the LoFit request is IN.  2. Turn Off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  2. Turn off the pump drive port when the operation request is ON.  3. Turn off the pump drive port when the operation request is ON.  4. Individual to the operation request is IN.  5. Individual to the pump drive port when the operation request is ON.  6. Individual to the operation request is IN.  6. Individual to the operation request is ON.  7. Individual to the operation request is ON.  8. Individual to the operation request is ON.  8. Turn off the resume flag.  9. Perform logger measurement start processing.  1. Create character data for OFF display.  1. Create character data for the pump OFF display setting.  1. Turn of the resume flag.  1. Turn of the resume flag.  1. Turn of the resume flag.  1. Lorent character data for the pump OFF display setting.  1. Lorent character data for the pump OFF display setting.  1. Lorent character data for the pump OFF display setting.  1. Lorent character data for the pump OFF display setting.  1. Individual the pump LoFf display character according to the	None None None None None None None None
rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-5] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-11] rea[14-12-1-13] rea[14-12-1-14] rea[14-12-1-14] rea[14-12-1-15] rea[14-12-1-17]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LoHi setting  Pump drive ON/OFF  Pump LoHi setting  Pump oFF start processing  Pump OFF and processing  Pump OFF display processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting only one of the pump of the display one of the pump of the display one of the pump of the display one of the other	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump OFF setting  Perform pump OFF setting Se	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None The pump OFF display setting Item selection number	processing.  2. Undate the gume startup processing chase flag according to the gume startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump drive to CNN.  1. OF the pump the to CNN.  2. Turn of the pump power power to CNP.  2. Turn of the pump power power power to the the ONOFF request is ON.  2. Turn of the pump power power to the ONOFF request is ON.  2. Turn of the pump LoPH port when the ONOFF request is ON.  2. Turn of the pump LoPH port when the LoPH request is I.  2. Turn of the pump LoPH port when the LoPH request is I.  2. Turn of the pump LoPH port when the LoPH request is I.  2. Turn of the pump LoPH port when the LoPH request is I.  2. Turn of the pump drive port when the LoPH request is I.  3. Turn of the pump drive port when the LoPH request is I.  4. Turn of the pump drive port when the coeration request is ON.  3. Turn of the pump drive port when the coeration request is off.  4. Indicate the Turn of the pump drive port when the coeration request is off.  5. Intitiatize the integrated value to the everage value very 60 seconds.  4. Initiatize the integrated value to the everage value very 60 seconds.  5. Initiatize the integrated value for the everage value very 60 seconds.  6. Initiatize the integrated value for the start of measurement.  6. Initiatize the integrated value for the start of measurement.  7. Turn of the pump drive port when the start of measurement.  8. Initiatize the integrated value that the start processing.  9. Perform logger measurement start processing.  1. Assign the pump OFF display setting to the item selection number.  1. Assign the pump OFF display setting to the item selection number.  1. Assign the pump OFF display setting of the item selection number.  1. Substitute the ONOFF request to the pump Stopped flag.  1. Initiatize the pump LoPH request flag.  1. Initiatize the pump LoPH request flag.  1. Initiatize the pump coeration request flag.  1. Initiatize the pump coeration request flag.  1. Initiatiz	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump selection number  Pump stop flag  Pump LoFit flag  Pump LoFit request flag  Pump LoFit request flag  Pump pump senero output value when the pump  Pressure senero output value at the time of failure  Initial flag flarer starting the pump
rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-6] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-7]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LoHi setting  Pump oFF desplay processing  Pump OFF end processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting start processing  Pump OFF display ON/OFF setting of setting start processing  Pump OFF display ON/OFF setting of setting start processing  Pump oFF display ON/OFF setting start processing  Pump oFF display ON/OFF setting display or one setting of setting setting processing  Pump stop display one processing  Pump stop display one processing  Pump stop display one of setting display or one of setting display one o	Perform pump operation setting request processing  Perform pump power ON'OFF  Perform pump Lo'H setting  Perform pump Lo'H setting  Perform pump OFF setting on the control of the control	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request None None None None None Item selection number Item selection number Item selection number ONIOFF request None None	processing.  2. Undate the quime startup processing chase flag according to the pump startup.  1. If the operation requires is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump there to ON.  1. If the operation requires is ON, set the pump power supply to ON, the pump LoPH to LoPH request is ON.  2. Turn of the pump power port when the ONOFF request is ON.  2. Turn of the pump power port when the ONOFF request is ON.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump to the port when the LoPH request is IN.  2. Turn of the pump to the port when the LoPH request is IN.  2. Turn of the pump to the port when the LoPH request is IN.  3. Turn of the pump to the port when the LoPH request is IN.  4. In the pump LoPH port when the LoPH request is IN.  5. Initialize the integrated value for the earnegs value very 60 seconds.  6. Initialize the integrated value for the earnegs value very 60 seconds.  6. Initialize the average value for the entire measurement time.  5. Initialize the integrated value for the seried measurement.  6. Initialize the Turn of the pump Cort of the seried measurement.  7. Initialize STEL values, STEL LoWels, and buffer pointers.  9. Perform logger measurement start processing.  Create character data for CPE régisty.  2. Create the character data for the nump ON disclore.  1. Assign the pump OPE display setting to the item selection number.  1. Assign the tem selection number to the pump OPE display setting.  2. Turn on the FRAM write start flag.  1. Initialize the pump LoPF frequest to the pump stopped flag.  1. Initialize the pump LoPF frequest to the pump stopped flag.  1. Initialize the pump LoPF request flag.  3. Initialize the pump LoPF request flag.  1. Initialize the pump LoPF request flag.  1. Initialize the pump processing request flag.  1. Initiali	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump stop flag  Pump LoFil flag  Pressure sensor output value when the pump  Pressure sensor output value at the time of failure  Initial flag after starting the pump  Determination result at pump boost startup  Pump connection test result  None
rea[14-12-1-4] rea[14-12-1-4] rea[14-12-1-6] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-11] rea[14-12-1-12] rea[14-12-1-14] rea[14-12-1-15] rea[14-12-1-16] rea[14-12-1-16] rea[14-12-1-16] rea[14-12-1-17] rea[14-13-1-1]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LoHi setting  Pump oFF display processing  Pump OFF and processing  Pump OFF display ONOFF setting start processing  Pump stop and setting process  Pump stopped flag acquisition  Pump flow rate sensor control initialization processing  Pump stopped flag acquisition  Pump flow rate sensor control device startup orcessing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump Lo/H setting  Perform pump DOFF display processing  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting	Pump startup processing phase flag Action request LoPH request LoPH request Action request Action request None None Pump OFF display setting Item selection number Item selection number Item selection number None None None None None None	processing.  1. If the outmo startup processing chase flag according to the outmo startup.  1. If the operation requires is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump their to LoPH request. The pump their to LoPH request progress is OFF, substitute OFF for the pump power, Lo for the pump power provided the pump their pump to the pump to their power power.  1. Turn on the pump power port when the ONOFF request is ONF.  1. Turn on the pump LoPH port when the LoPH request is I.  2. Turn off the pump LoPH port when the LoPH request is I.  3. Turn off the pump LoPH port when the LoPH request is I.  3. Turn off the pump LoPH port when the LoPH request is I.  4. Turn ON the pump LoPH port when the LoPH request is I.  5. Turn off the pump LoPH port when the LoPH request is I.  6. Turn off the pump their port when the LoPH request is I.  7. Turn off the pump their port when the LoPH request is I.  8. Turn off the pump drive port when the pump LoPH power power power power is I.  9. Perform the following processing when the pump ONOFF acquisition result is ON.  1. Initialize the power	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump atoo flag  Pump LoTH flag  Pump LoTH request flag  Pump LoTH request flag  Pump tuming flag  Pump sudie when the pump  Item stumed off  Pressure senero output value when the pump  Determination result at pump boest startup  Pump pump connection test result  None
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-7] req[14-12-1-7] req[14-12-1-10] req[14-12-1-10] req[14-12-1-14] req[14-12-1-14] req[14-12-1-15] req[14-12-1-16] req[14-12-1-17] req[14-13-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump Lof-Hi setting Pump OFF display processing Pump OFF display processing Pump OFF display processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting display or occessing Pump OFF display ON/OFF setting display or occessing Pump OFF display ON/OFF setting display or occessing Pump Setting Setting or occessing Pump Setting Setting Order Setting Ord	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump Lo/H setting  Perform pump Lo/H setting  Perform pump OFF display processing  Perform pump OFF display Processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting end processing  Perform pump OFF display ONOFF setting on processing  Perform pump OFF display ONOFF setting on processing  Perform pump of processing on processing on processing processing processing on	Pump startup processing phase flag Action request Lot'll request Lot'll request Action request Action request Action request None None None None None None None None	processing.  2. Uodate the pourn startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoHr request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoHr operation request is OFF, substitute OFF request is ON.  7. Turn off the pump power port when the ONOFF request is OFF.  7. Turn ON the pump LoPH port when the ONOFF request is OFF.  7. Turn ON the pump LoPH port when the LoPH request is IN.  7. Turn ON the pump LoPH port when the LoPH request is IN.  7. Turn ON the pump LoPH port when the LoPH request is IN.  7. Turn ON the pump LoPH port when the LoPH request is IN.  7. Turn ON the pump theyer pump they port when the operation request is ON.  7. Turn ON the pump theyer pump theyer theyer the pump theyer pump theyer they have the pump theyer theyer they have the pump theyer they they they they they they they they	None  Hem selection number  Pump OFF display setting  None  Hem selection number  Pump aton flag  Pump aton flag  Pump aton flag  Pump total request flag  Pump Lotif request flag  Pump puming flag  Pump total request flag  Pump total request flag  Pump total request flag  Pump total request flag  Pump puming flag  Pressure sensor output value when the pump of the flag  Pressure sensor output value at the time of failure  Intitude flag after starting the pump  Determination result at pump boost startup  Pump connection result at pump boost startup  Pump connection test result  None  None
rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-6] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-11] rea[14-12-1-14] rea[14-12-1-15] rea[14-12-1-16] rea[14-12-1-16] rea[14-12-1-16] rea[14-12-1-17] rea[14-13-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump Lof-Hi setting Pump OFF display processing Pump OFF display processing Pump OFF display on OFF setting Pump OFF display ONOFF setting In orcessing Pump OFF display ONOFF setting ONOFF selection processing Pump Stopped flag acquisition Pump flow rate sensor control device stop processing Pump Inow rate sensor control device stop processing Pump flow rate sensor control device stop processing are sensor control device stop processing varieties and pump flow rate sensor control device stop processing varieties and pump flow rate sensor control device stop processing varieties and pump flow rate sensor control device sensor control devi	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump LoHs setting  Perform pump OFF display processing  Perform pump OFF display Processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting end sociousling  Perform pump OFF display ONOFF setting on processing  Perform pump OFF display ONOFF setting on processing  Perform pump Setting setting process  Perform pump stopped flag acquisition process  Perform pump till black and processing  Perform pump stopped flag acquisition processing  Perform pump stopped flag acquisition processing  Perform pump flow rate sensor control device startup crocessing.  Perform pump flow rate sensor control device stop stocessing  Perform pump flow rate sensor control device stop stocessing.  Perform pump flow rate sensor control device stop stocessing.  Perform pump flow rate sensor control device stop stocessing.	Pump startup processing phase flag Action request LoPH request LoPH request Action request Action request Action request None None None Pump OFF display setting Item selection number Item selection number Item selection number None None None None Solver request None None Solver request None Solver request None None Solver request None Solver request None Solver request None Solver request Solv	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPf to LoHr request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoPf to LoHr request, and the pump drive or the to ON.  2. If the operation request is OFF, substitute OFF request is ON.  2. Turn off the pump power port when the ONOFF request is OFF.  1. Turn ON the pump LoPf port when the ONOFF request is OFF.  2. Turn Off the pump LoPf port when the LoPf request is IN.  2. Turn Off the pump LoPf port when the LoPf request is IN.  2. Turn Off the pump forwer port when the LoPf request is IN.  2. Turn Off the pump forwer port when the LoPf request is IN.  2. Turn Off the pump forwer port when the operation request is IN.  2. Turn Off the pump drive port when the operation request is IN.  2. Turn Off the pump drive port when the operation request is IN.  2. Turn Off the pump drive port when the operation request is IN.  3. Turn Off the pump drive port when the operation request is IN.  4. Initialize the integrated value for the entire measurement time.  5. Initialize the integrated value for the entire measurement time.  6. Initialize the integrated value for the start of measurement.  7. Initialize STEL values, STEL Duffers, and buffer pointers.  8. Turn off the resume flag.  9. Perform logger measurement start processing.  1. Create character data for OFF display.  2. Create the packarder data for the sum ON disclay.  1. Assign the term selection number to the pump OFF display setting.  1. Initialize the INDP LONGF felipsity character according to the item selection number.  1. Swap the ONOFF setting of the item selection number.  1. Swap the ONOFF setting of the item selection number.  1. Initialize the pump LoHf flag.  1. Initializ	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump to flag  Pump to flag
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-6] req[14-12-1-7] req[14-12-1-10] req[14-12-1-10] req[14-12-1-11] req[14-12-1-11] req[14-12-1-15] req[14-12-1-15] req[14-12-1-15] req[14-12-1-16] req[14-12-1-17] req[14-13-1-1] req[14-13-1-1] req[14-13-1-1]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump Lo'Hi setting  Pump drive ON/OFF  Pump Lo'Hi setting  Pump OFF display processing  Pump OFF display processing  Pump OFF display ON/OFF setting start processing  Pump off display ON/OFF setting display on one of the display on	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump LoHs setting  Perform pump OFF setting setting  Perform pump OFF display processing  Perform pump OFF display ONOFF setting start processing  Perform pump stop off display onoff setting start processing  Perform pump stop off display onoff setting start processing  Perform pump stop off display onoff setting start processing  Perform pump flow rate sensor control device startup processing  Perform pump flow rate sensor control device startup processing  Perform pump flow rate sensor control device startup processing  Perform non-volatile data acquisition processing for pump flow rate sensor control device setting process for pump flow rate sensor control device setting process for pump flow rate sensor control device setting processing perform pump stort setting processing perform pump setting perform	Pump startup processing phase flag Action request Lot'll request Lot'll request Action request Action request Action request None None None None None None None None	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup  1. If the operation request is ON, set the pump power supply to ON, the pump LoPf to  LoHf request, and the pump drive to CN.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  1. Turn on the pump power power than the CNF request is ON.  2. Turn off the nump power power than the ONOFF request is OFF.  1. Turn of the pump LoPf power than the LoPf request is OFF.  1. Turn ON the pump LoPf power than the LoPf request is OFF.  2. Turn Off the pump LoPf power than the LoPf request is OFF.  3. Turn Off the pump LoPf power than the LoPf request is IN.  2. Turn off the pump LoPf power than the LoPf request is IN.  2. Turn off the pump drive power than the operation request is ON.  2. Turn off the pump drive power than the operation request is ON.  2. Turn off the pump drive power than the operation request is ON.  3. Turn off the pump drive power than the operation request is ON.  4. Indistize the integrated value of the everage value every 05 seconds.  5. Initialize the integrated value for the everage value every 05 seconds.  6. Initialize the integrated value for the everage value every 05 seconds.  7. Initialize STEV values, STEL Duffers, and buffer pointers.  8. Turn off the resume flag.  9. Perform logger measurement start processing.  1. Create character data for fore flaplay.  2. Create the package data flag.  3. Turn of the resume flag.  1. Assign the issurate selection number to the pump OFF display setting.  7. Turn on the FRAM write start flins.  1. Assign the issurate selection sumber to the pump OFF display setting.  1. Initialize the pump LoHf flag.  1. Initialize	None None None None None None None None
req[14-12-1-4] req[14-12-1-4] req[14-12-1-5] req[14-12-1-8] req[14-12-1-8] req[14-12-1-10] req[14-12-1-10] req[14-12-1-11] req[14-12-1-11] req[14-12-1-13] req[14-12-1-15] req[14-12-1-15] req[14-12-1-15] req[14-12-1-17] req[14-13-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LoPH setting Pump OFF display processing Pump OFF display processing Pump OFF display processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting form of Periodical On/OFF setting start processing Pump OFF display ON/OFF setting display orccessing Pump of Periodical ON/OFF setting display orccessing Pump Setting setting processing Pump stopped flag acquisition Pump flow rate sensor control initialization processing Pump into processing Pump into processing Pump flow rate sensor control device startus processing Pump flow rate sensor control device stop processing Pump flow rate sensor control device sensor control d	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump Lo/H setting  Perform pump Lo/H setting  Perform pump OFF setting one of the perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting one or occasion.  Perform pump OFF display ON/OFF setting one or occasion.  Perform pump ofF display ON/OFF setting one occasion.  Perform pump ofF display ON/OFF setting one occasion.  Perform pump ofF display oness  Perform pump flow rate sensor control device startup occasion.  Perform pump flow rate sensor control device startup occasion.  Perform pump flow rate sensor control device stop processing.  Perform non-volatel data sensor processing for course flow rate sensor control  Perform non-volatel data distal setting process for pump flow rate sensor control	Pump startup processing phase flag Action request LoPH request LoPH request Action request Action request Action request None None None Pump OFF display setting Item selection number Item selection number Item selection number None None None None Solver request None None Solver request None Solver request None None Solver request None Solver request None Solver request None Solver request Solv	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPf to LoHr request, and the pump drive to ON.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump LoPf to LoHr request, and the pump drive or the to ON.  2. If the operation request is OFF, substitute OFF request is ON.  2. Turn off the pump power port when the ONOFF request is OFF.  1. Turn ON the pump LoPf port when the ONOFF request is OFF.  2. Turn Off the pump LoPf port when the LoPf request is IN.  2. Turn Off the pump LoPf port when the LoPf request is IN.  2. Turn Off the pump forwer port when the LoPf request is IN.  2. Turn Off the pump forwer port when the LoPf request is IN.  2. Turn Off the pump forwer port when the operation request is IN.  2. Turn Off the pump drive port when the operation request is IN.  2. Turn Off the pump drive port when the operation request is IN.  2. Turn Off the pump drive port when the operation request is IN.  3. Turn Off the pump drive port when the operation request is IN.  4. Initialize the integrated value for the entire measurement time.  5. Initialize the integrated value for the entire measurement time.  6. Initialize the integrated value for the start of measurement.  7. Initialize STEL values, STEL Duffers, and buffer pointers.  8. Turn off the resume flag.  9. Perform logger measurement start processing.  1. Create character data for OFF display.  2. Create the packarder data for the sum ON disclay.  1. Assign the term selection number to the pump OFF display setting.  1. Initialize the INDP LONGF felipsity character according to the item selection number.  1. Swap the ONOFF setting of the item selection number.  1. Swap the ONOFF setting of the item selection number.  1. Initialize the pump LoHf flag.  1. Initializ	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump stop flag  Pump stop flag  Pump stop flag  Pump stop flag  Pump put pit flag  Pump put flag  Pump pump contain request flag  Pressure senero output value when the pump  Initial flag after starting the pump  Determination result at pump boost startup  Pump connection test result  None  None  None  None  Setting data for non-volistile memory
rea[14-12-1-4] rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-11] rea[14-12-1-11] rea[14-12-1-13] rea[14-12-1-14] rea[14-12-1-15] rea[14-12-1-15] rea[14-12-1-17] rea[14-13-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump Lof-Hi setting Pump OFF display processing Pump OFF display processing Pump OFF display processing Pump OFF display ON/OFF setting start processina Pump OFF display ON/OFF setting display or over the pump of the display of t	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump Lo/H setting  Perform pump Lo/H setting  Perform pump OFF setting one of the setting one of the setting of the	Pump startup processing phase flag Action request LoPH request LoPH request LoPH request Action request Action request Action request None None None None None None None None	processing.  1. Undate the pump startup processing chase flag according to the pump startup  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to  Luhf request, and the pump drive to LoN.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  1. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  1. Turn on the pump power port when the ONOFF request is ON.  2. Turn off the pump LoPH port when the ONOFF request is OFF.  1. Turn ON the pump LoPH port when the LoPH request is IN.  2. Turn off the pump LoPH port when the LoPH request is IN.  2. Turn off the pump LoPH port when the LoPH request is IN.  2. Turn off the pump LoPH port when the LoPH request is IN.  2. Turn off the pump they power power than the operation request is IN.  2. Turn off the pump they power than the operation request is IN.  2. Turn off the pump they power than the operation request is IN.  2. Turn off the pump they power than the operation request is IN.  2. Turn off the pump they power than the operation request is IN.  3. Turn off the pump they power than the operation request is IN.  4. Initialize the integrated value for the entire measurement time.  5. Initialize the integrated value for the entire measurement time.  6. Initialize the antegrated value for the entire measurement it In.  7. Initialize STEV values, STEL Duffers, and buffer pointers.  8. Turn off the resume flag.  9. Perform logger measurement start processing.  1. Create character data for the turno ON disclav.  1. Assign the term selection number to the pump OFF display setting.  2. Turn on the FRAM write start flag.  3. Initialize the pump LoPH request to the pump OFF display setting.  1. In on the FRAM write start flag.  3. Initialize the pump power power to the pump of the flag.  4. Initialize the pump power flag.  5. Initialize the pump power flag.  6. Initialize the pump power flag.  6. Initialize the pump power flag.  7. Initialize the pump power flag.  7. Initialize	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump stop flag  Pump toolf file  Pump
req14-12-1-4] req14-12-1-5] req14-12-1-6] req14-12-1-7] req14-12-1-10] req14-12-1-10] req14-12-1-10] req14-12-1-13 req14-12-1-13 req14-12-1-14] req14-12-1-15 req14-12-1-17] req14-13-1-17] req14-13-1-17 req14-13-1-17 req14-13-1-17 req14-13-1-17 req14-13-1-17 req14-13-1-17 req14-13-1-17 req14-13-1-17 req14-13-1-17	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump Lof-Hi setting Pump OFF display processing Pump OFF display processing Pump OFF display processing Pump OFF display ON/OFF setting astar processina Pump OFF display ON/OFF setting display or operation of the display of the d	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoH setting  Perform pump LoH setting  Perform pump OFF setting one of the perform pump OFF display processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting start processing  Perform pump OFF display ONOFF setting display processing perform pump OFF display ONOFF setting display processing perform pump OFF display ONOFF setting display processing perform pump OFF display ONOFF setting on processing perform pump OFF display ONOFF setting on processing perform pump ofFF display ONOFF setting on processing perform pump ofFF display ONOFF setting on processing perform pump flow rate sensor control initialization processing on pump flow rate sensor control device stop processing perform pump flow rate sensor control device stop processing perform pump flow rate sensor control device stop processing perform pump flow rate sensor control device perform processing for pump flow rate sensor control device stop processing for pump flow rate sensor control device stop processing for pump flow rate sensor control device perform processing for pump flow rate sensor control received perform processing processing perform processing processing perform processing processing perform processing perfor	Pump startup processing phase flag Action request LoPH request LoPH request Action request Action request None None Pump OFF display setting Item selection number Item selection number Item selection number None None None None None Solver request None None Solver request Solver re	processing.  2. Uodate the ourne startup processing chase flag according to the ourne startup  1. If the operation request is ON, set the pump power supply to ON, the pump LoPf to  LoHf request, and the pump drive to CN.  2. If the operation request is OFF, substitute OFF for the pump power, Lo for the pump  1. Turn on the pump power power than the CNF request is ON.  2. Turn off the nump power power than the ONOFF request is OFF.  1. Turn of the pump LoPf power than the LoPf request is OFF.  1. Turn ON the pump LoPf power than the LoPf request is OFF.  2. Turn Off the pump LoPf power than the LoPf request is OFF.  3. Turn Off the pump LoPf power than the LoPf request is IN.  2. Turn off the pump LoPf power than the LoPf request is IN.  2. Turn off the pump drive power than the operation request is ON.  2. Turn off the pump drive power than the operation request is ON.  2. Turn off the pump drive power than the operation request is ON.  3. Turn off the pump drive power than the operation request is ON.  4. Indistize the integrated value of the everage value every 05 seconds.  5. Initialize the integrated value for the everage value every 05 seconds.  6. Initialize the integrated value for the everage value every 05 seconds.  7. Initialize STEV values, STEL Duffers, and buffer pointers.  8. Turn off the resume flag.  9. Perform logger measurement start processing.  1. Create character data for fore flaplay.  2. Create the package data flag.  3. Turn of the resume flag.  1. Assign the issurate selection number to the pump OFF display setting.  7. Turn on the FRAM write start flins.  1. Assign the issurate selection sumber to the pump OFF display setting.  1. Initialize the pump LoHf flag.  1. Initialize	None None None None None None None None
rea[14-12-1-4] rea[14-12-1-6] rea[14-12-1-6] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-11] rea[14-12-1-12] rea[14-12-1-13] rea[14-12-1-16] rea[14-12-1-16] rea[14-12-1-16] rea[14-13-1-7] rea[14-13-1-8] rea[14-13-1-8]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LoHi setting  Pump OFF display processing  Pump OFF display processing  Pump OFF display ONOFF setting start processing  Pump DeF display ONOFF setting start processing  Pump DeF display ONOFF setting start processing  Pump step lag setting process  Pump stopped flag acquisition  Pump flow rate sensor control divice start processing  Pump to start processing  Pump flow rate sensor control device stop processing processing for pump flow rate sensor control device initialization processing for pump flow rate sensor control device initialization processing for pump flow rate sensor control device initialization processing for pump flow rate sensor control device initialization processing for pump flow rate sensor control device processing for pump flow rate sensor control device processing for pump flow rate sensor control processing flow pump flow rate sensor control processing processing for pump flow rate sensor control processing processing for pump flow rate sensor control processing processing for pump flow rate sensor control processing processing flow pump flow rate sensor control processing processing processing flow pump flow rate sensor control processing processing processing flow proce	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump LoHs setting  Perform pump OFF start processing  Perform pump OFF start processing  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting display rocessing  Perform pump flow rate sensor control initialization processing  Perform pump flow rate sensor control device startup occessing  Perform pump flow rate sensor control device stop  Perform pump flow rate sensor control device stop  Perform pump flow rate sensor control device initialization processing  Perform non-violated data acquisition processing for pump flow rate sensor control  Sour rate sensor control  Flow rate sens	Pump startup processing phase flag Action request LotH request LotH request LotH request Action request Action request None None None None None None None None	processing.  2. Undate the quime startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump date to ON.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request and the pump date to ON.  2. Turn of the pump power port when the ON/OFF request is ON.  2. Turn of the pump LoPH port when the ON/OFF request is ON.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump drive port when the LoPH request is IN.  2. Turn of the pump drive port when the LoPH request is IN.  2. Turn of the pump drive port when the Contraction request is IN.  3. Invalidation the pump drive port when the correction repeated is IN.  4. Indicate the pump drive port when the correction repeated is IN.  5. Intellize the integrated value to the eurent concentration value.  5. Intellize the integrated value to the eurent expensement time.  5. Intellize the integrated value for the eurent expensement intelligence intell	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump stop flag  Pump LoH inquest flag  None  None  None  Setting data for non-volatile memory  Setting data for non-volatile memory  Setting data for non-volatile memory  Low flow rate output set value
rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-11] rea[14-12-1-13] rea[14-12-1-14] rea[14-12-1-14] rea[14-12-1-15] rea[14-12-1-16] rea[14-12-1-16] rea[14-13-1-1]	Pump operation phase processing  Pump operation setting request processing  Pump power ON/OFF  Pump LoHi setting  Pump OFF display processing  Pump OFF and processing  Pump OFF display ONOFF setting start processing  Pump stoped flag acquisition  Pump flag acquisition  Pump stoped flag acquisition  Pump flow rate sensor control device stop processing  Pump flow rate sensor control device stop processing  Pump flow rate sensor control device stop processing not pump flow rate sensor born-votatile default data setting process for some flow rate sensor control  Pressure sensor setting acquisition processing for pump flow rate sensor control  Freesure sensor setting acquisition processing sensor setting sequisition processing sensor setting sequisition processing sensor setting sequisition processing sensor setting sequisition processing sensor setting setting sensor setting setting processing sensor setting setting processing sensor setting setting processing sensor setting setting	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoFH setting  Perform pump DOFF setting  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting display occessing  Perform pump OFF display ON/OFF setting display occessing  Perform pump OFF display ON/OFF setting on occessing  Perform pump OFF display ON/OFF setting on occessing  Perform pump ofF display ON/OFF setting on occessing  Perform pump stoped flag acquisition process  Perform pump flow rate sensor control device startup occessing  Perform pump flow rate sensor control device stop processing  Perform pump flow rate sensor control device stop processing  Perform non-volatile data acquisition processing for perform non-volatile data acquisition processing for pump flow rate sensor control  Perform non-volatile data acquisition processing for pump flow rate sensor control  Perform non-volatile data acquisition processing for pump flow rate sensor control  Perform non-volatile data acquisition processing for pump flow rate sensor setting acquisition processing for pump flow rate sensor setting acquisition processing for pump flow rate sensor setting acquisition processing pr	Pump startup processing phase flag Action request LoPH request LoPH request Action request Action request Action request Action request None None None Pump OFF display setting Item selection number Item selection number ONIOFF request None None None None None None None None	processing.  2. Undate the quam startup processing chase flag according to the pump startup.  1. If the operation requise is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump there to ON.  2. Turn of the pump power power pump to the pump power pump to the pump power pump to the pump to the to ON.  2. Turn of the pump power power than the ONOFF request is ON.  2. Turn of the pump LoPH port when the ONOFF request is O.  2. Turn of the pump LoPH port when the LoPH request is I.O.  2. Turn of the pump LoPH port when the LoPH request is I.O.  3. Turn of the pump LoPH port when the LoPH request is I.O.  4. Turn of the pump to the port when the LoPH request is I.O.  5. Turn of the pump to the port when the LoPH request is I.O.  6. Turn of the pump to the port when the LoPH request is I.O.  7. Turn of the pump to the port when the LoPH request is I.O.  8. Turn of the pump to the port when the LoPH request is I.O.  9. Turn of the pump to the port when the pump to the pump to I.O.  9. Perform the close is I.O.  1. Perform the close is I.O.  1. Perform the close is I.O.  1. Initialize the pump to the pump to I.O.  2. Undate the peak value to the current concentration value.  3. Initialize the integrated value for the eartery enseaurement time.  5. Initialize the integrated value for the entire measurement time.  6. Initialize the Turn of I.O.  1. Initialize the pump to I.O.  2. Turn of the request the I.O.  3. Turn of the pump to I.O.  3. Turn of the pump to I.O.  4. Assign the the integrated value to Integrated value to I.O.  4. Assign the pump to I.O.  4. Assign the pump to I.O.  5. Turn of the I.O.  6. Tested a pump to I.O.  6. Initialize the	None None None None None None None None
rea[14-12-1-4] rea[14-12-1-5] rea[14-12-1-6] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-11] rea[14-12-1-11] rea[14-12-1-11] rea[14-12-1-15] rea[14-12-1-15] rea[14-12-1-17] rea[14-12-1-17] rea[14-13-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LoPH setting Pump OFF display processing Pump OFF display processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting display or occessing Pump OFF display ON/OFF setting display or occessing Pump OFF display ON/OFF setting display or occessing Pump Start play ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play Start processing Pump Start play of ON/OFF setting display or occessing Pump Start play Start processing Pump Start play setting or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting Display or occessing occupant of ON/OFF setting ON/OFF setting Display of ON/OFF settin	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump Lo/H setting  Perform pump Lo/H setting  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting on/OFF setting display processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting on/OFF sett	Pump startup processing phase flag Action request LoPH request LoPH request LoPH request Action request Action request Action request None None None Pump OFF display setting Item selection number Item selection number Item selection number None None None None None None None None	processing.  1. Undate the quam startup processing chase flag according to the pump startup  1. If the operation request is ON, set the pump power aupply to ON, the pump LoPH to  LoPH request, and the pump drive to CN.  2. If the operation request is O.PF, substitute OFF for the pump power, Lo for the pump  1. If the operation request is O.PF, substitute OFF for the pump power, Lo for the pump  2. If the operation request is O.PF, substitute OFF for the pump power, Lo for the pump  1. Turn on the pump power port when the ONOFF request is O.PF,  1. Turn ON the pump LoPH port when the ONOFF request is O.PF,  1. Turn ON the pump LoPH port when the LoPH request is I.D.  2. Turn off the pump LoPH port when the LoPH request is I.D.  2. Turn off the pump LoPH port when the LoPH request is I.D.  2. Turn off the pump they power power than the operation request is O.P.  2. Turn off the pump they power than the operation request is I.D.  3. Turn off the pump they power than the operation request is I.D.  4. In the pump LoPH power than the pump they power than the operation request is I.D.  5. Turn off the pump they power than the pump they pump	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump stop flag  Pump LoFH flag  Pump puming flag  Pressure sensor output value when the pump  Item selection flag  Pressure sensor output value when the pump  Determination result at pump boest startup  Pump control flag  None  None  None  Setting data for non-volatile memory  Low flow rate output set value  Pressure sensor set value  Pressure sensor set value
rea[14-12-1-4] rea[14-12-1-6] rea[14-12-1-6] rea[14-12-1-7] rea[14-12-1-7] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-10] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-12-1-1] rea[14-13-1-1]	Pump operation phase processing Pump operation setting request processing Pump power ON/OFF Pump LoPH setting Pump OFF display processing Pump OFF display processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting start processing Pump OFF display ON/OFF setting display or occessing Pump OFF display ON/OFF setting display or occessing Pump OFF display ON/OFF setting display or occessing Pump Start play ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play Start processing Pump Start play of ON/OFF setting display or occessing Pump Start play Start processing Pump Start play setting or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting display or occessing Pump Start play of ON/OFF setting Display or occessing occupant of ON/OFF setting ON/OFF setting Display of ON/OFF settin	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoFH setting  Perform pump DOFF setting  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting display processing  Perform pump OFF display ON/OFF setting display occessing  Perform pump OFF display ON/OFF setting display occessing  Perform pump OFF display ON/OFF setting on occessing  Perform pump OFF display ON/OFF setting on occessing  Perform pump ofF display ON/OFF setting on occessing  Perform pump stoped flag acquisition process  Perform pump flow rate sensor control device startup occessing  Perform pump flow rate sensor control device stop processing  Perform pump flow rate sensor control device stop processing  Perform non-volatile data acquisition processing for perform non-volatile data acquisition processing for pump flow rate sensor control  Perform non-volatile data acquisition processing for pump flow rate sensor control  Perform non-volatile data acquisition processing for pump flow rate sensor control  Perform non-volatile data acquisition processing for pump flow rate sensor setting acquisition processing for pump flow rate sensor setting acquisition processing for pump flow rate sensor setting acquisition processing pr	Pump startup processing phase flag Action request LoPH request LoPH request Action request Action request Action request Action request None None None Pump OFF display setting Item selection number Item selection number ONIOFF request None None None None None None None None	processing.  2. Uddate the pump startup processing chase flag according to the pump startup.  1. If the operation requise is ON, set the pump power aupply to ON, the pump LoPH to LoPH request, and the pump that to LoPH request, and the pump that to LoPH request is ON, set the pump to PH pump power pump to PH pump power pump to PH pump power, Lo for the pump to PH pump power power p	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump top selection number  Pressure seneror coupts value went the pump is turned off  Pressure seneror coupts value at the time of failure  Intelligible selection sele
req[14-12-1-4] req[14-12-1-5] req[14-12-1-7] req[14-12-1-7] req[14-12-1-7] req[14-12-1-7] req[14-12-1-1] req[14-13-1-1]	Pump operation phase processing  Pump operation setting request processing  Pump operation setting request processing  Pump Dower ON/OFF  Pump LoHi setting  Pump OFF display Processing  Pump OFF display Processing  Pump OFF display ONOFF setting start processing  Pump Stop display on ONOFF setting start processing  Pump stop display on ONOFF setting display processing on Processing  Pump stop display on ONOFF setting display processing  Pump stopped flag acquisition  Pump flow rate sensor control device startup processing  Pump flow rate sensor control device initialization processing  Pump to rate sensor control device initialization processing  Pump to britan acquisition processing  Pressure sensor setting acquisition processing  Pressure sensor setting acquisition processing  Pump LoHi status acquisition processing  Pump LoHi status acquisition processing	Perform pump operation setting request processing  Perform pump power ON/OFF  Perform pump LoHs setting  Perform pump LoHs setting  Perform pump OFF display processing  Perform pump OFF display processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting start processing  Perform pump OFF display ON/OFF setting display to the perform pump OFF display ON/OFF setting display oncossing  Perform pump OFF display ON/OFF setting display oncossing  Perform pump OFF display ON/OFF setting display oncossing  Perform pump OFF display ON/OFF setting oncossing  Perform pump ofF display ON/OFF setting oncossing  Perform pump flow rate sensor control device startup oncossing  Perform pump flow rate sensor control device startup oncossing  Perform pump flow rate sensor control device stop oncossing  Perform pump flow rate sensor control device stop oncossing  Perform non-volatile data setting processing for ours flow rate sensor control  Perform non-volatile data setting processing for pump flow rate sensor control  Perform flow drop output acquisition processing  Perform prossure sensor setting setting processing  Perform pump sensor sensor setting setting processing  Perform pump pump LoHs tattus acquisition process  Perform pump LoHs tattus acquisition process  Perform pump LoHs tattus acquisition process  Perform pump LoHs tattus acquisition processing  Perform pump LoHs tattus acquisition process	Pump startup processing phase flag Action request LoPH request LoPH request Action request Action request None None None Pump OFF display setting Item selection number Item selection number Item selection number None None None None None None None None	processing.  2. Undate the quam startup processing chase flag according to the pump startup.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request, and the pump date to ON.  1. If the operation request is ON, set the pump power supply to ON, the pump LoPH to LoPH request and the pump date to ON.  2. Turn of the pump power port of the ON/OFF request is ON.  2. Turn of the pump LoPH port when the ON/OFF request is ON.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump LoPH port when the LoPH request is IN.  2. Turn of the pump drive port when the LoPH request is IN.  2. Turn of the pump drive port when the LoPH request is IN.  2. Turn of the pump drive port when the Control request is IN.  3. Invisit the integrated value to the average value very 60 seconds.  4. Initiatize the integrated value to the average value very 60 seconds.  5. Initiatize the integrated value for the average value very 60 seconds.  6. Initiatize the integrated value for the series of wassurement.  6. Initiatize the integrated value for the series of wassurement.  6. Initiatize the integrated value for the series of wassurement.  7. Initiatize the integrated value for the series of wassurement.  8. Initiatize the integrated value for the series of wassurement.  9. Perform logger measurement start processing.  1. Create character data for OFE display.  2. Create the character data for the numo OM disclaw.  1. Assign the pump OFE display setting to the item selection number.  1. Assign the pump OFE display setting to the item selection number.  1. Swap the ON/OFE setting of the item selection number.  1. Substitute the ON/OFF request to the pump stopped flag.  1. Initiatize the pump LoPH flag to the pump stopped flag.  1. Initiatize the pump LoPH flag to the pump stopped flag.  1. Initiatize	None  Item selection number  Pump OFF display setting  None  Item selection number  Pump top selection number  Pressure seneror coupts value went the pump is turned off  Pressure seneror coupts value at the time of failure  Intelligible selection sele

req[14-13-1-15]	Processing every 250msec for pump flow rate sensor control	Perform processing every 250msec for pump flow rate sensor control	None	1. Get the pump error flag. 2. If the pump is abnormal, perform the pump abnormality setting process and request the pump to stop. If the pump is normal, perform processing 3 to 4. 3. Get the low flow rate error flag. 4. If there is a flow rate often or performed and the pump is requested to stop.	None
	Duma flau access access access a	Perform pump flow sensor control processing	Operation request flag	Perform pump control processing.     Initialize the operation switching flag.	Action flag
req[14-13-1-16]	Pulip low sensor control processing	Pendin pulip liow sensor control processing	Operation request flag  Lo'Hi request flag	2. If the operation flag and the operation request flag are different, turn on the operation switching flag. Otherwise, when the operation request flag is ON and the LoHf flag is different from the LoHf are used flag, the operation switching flag is turned ON. 3. If the operation switching flag is ON, update the operation flag and LoHf flag. If the operation flag is ON, get the pressure sensor output when the pump is OFF. 4. Perform pump control processing.	According Lo'Hi flag
req[14-13-1-17]	Purge necessity check process	Perform purge necessity check process	Gas setting Fault status	Initialize the result flags.     Turn ON the result flag when the gas setting is valid, there is no sensor failure, and purge     to sension.	Result flag
req[14-13-1-18]	Retry necessity acquisition processing at pump boost startup	Perform retry necessity acquisition processing at pump boost startup	None	is required.  1. Returns whether or not retry is required when the pump boost starts.	Necessity of retry at pump boost startup
req[14-13-1-19]	Processing to acquire pressure sensor output when pump is OFF	Perform processing to acquire pressure sensor output when pump is OFF	None	Returns the pressure sensor output when the pump is OFF.	Pressure sensor output when pump is OFF
req[14-13-1-20]	Failure time pressure sensor output acquisition processing	Perform failure time pressure sensor output acquisition processing	None	Returns the pressure sensor output at failure.	Pressure sensor output at failure
req[14-13-1-21]	Pump connection test process Low flow test process	Perform pump connection test process Perform low flow test process	None Pump operation flag	Return pump connection test result.     Initialize the low flow test result.	Pump connection test result Flow reduction test result
req[14-13-1-22]				<ol><li>If the pump operation flag is ON and the result of obtaining the pump operation phase is true, the IN side pressure sensor detects the decrease in flow rate and obtains the result.</li></ol>	
reg[14-13-1-23]	Processing to acquire pressure sensor output when pump is OFF	Perform processing to acquire pressure sensor output when pump is OFF	None	Return flow reduction test result.     Initialize the first flag after starting the pump.     Get the pressure sensor output when the pump is off.	First flag after starting the pump Pressure sensor output when the pump is off
104[14 10 1 20]	Pump drive detection processing	Perform pump drive detection processing	Pump operation flag	Initialize the result flag.  Initialize the result flag.	Pump test result Judgment result at pump boost startup
req[14-13-1-24]	Tomp united detection processing	renorm pump unre desection processing	Judgment result at pump boost startup	2. Get the current pressure sensor output.  3. Calculate the span output by subtracting the current pressure sensor output from the pressure sensor output when the pump is OFF.  4. Perform 6 from process 5 when the pump operation flag is ON.  5. When the first time flag after starting the flow rate drop pump is ON and the pump operation phase is ON, if the determination result at pump boost start is NS, set the result flag to abnormal. Initialize the judgment result at pump boost start pand the first time flag after starting the flow rate reduction pump is OFF and the span output is less than the threshold value, the determination result at pump boost start is set to shormal. Update the pressure sensor output value as the time of failure.  7. If the result of purping flag acquisition is ON, set normal to the result flag.  8. Return result flag.	First time flag after starting the low flow rate pump. Result flag
	Low flow rate detection process	Perform low flow rate detection process	Pump operation flag	Get the H2 measurement flag.	Result flag
req[14-13-1-25]	IN side pressure sensor flow rate drop	Perform IN side pressure sensor flow rate drop	Pressure sensor output when the pump is		Pressure sensor output value at the time of
req[14-13-1-26]	detection processing	detection processing	OFF Low Flow Threshold setting	2. Get the current pressure sensor output value. 3. Calculate the span output by subtracting the current pressure sensor output from the pressure sensor output when the pump is OFF. 4. If the span output is greater than the Low Flow Threshold setting, set the Result Flag to Abnormal. Update the pressure sensor output value at the time of failure. 5. Return result flag.	failure Result flag
		Perform pump drive error setting processing	None None	Set pump drive error.	None
req[14-13-1-28]	Flow drop error setting processing Purge necessity check process (threshold judgment)	Perform flow drop error setting processing Perform purge necessity check process (threshold judgment)	None Gas channel Current concentration Full scale	1. Set the low flow rate error.  1. Initialize the result flag.  2. If the current concentration is other than the OFF value, perform the following processing.  3. Get the current concentration.  4. Calculate the purge threshold.  5. If the current concentration is greater than the purge threshold, set the result flag to ON.	None Result flag
	Pressure sensor control initialization	Perform pressure sensor control initialization	None	Return result flag.      Perform 12bitDA initial setting processing.	None
req[14-13-1-30]	processing	processing Perform pressure sensor control device startup	Pressure sensor DAC0 output %	Get the result of checking the upper and lower limits of the pressure sensor DAC output	None
req[14-13-1-31]	processing	processing		%. 2. Perform 12bitDA startup processing.	
req[14-13-1-32]	Pressure sensor control device stop processing	Perform pressure sensor control device stop processing	None	Perform 12bitDA stop processing.	None
req[14-13-1-33]	Pressure sensor control device DAC0 output change processing	Perform pressure sensor control device DAC0 output change processing	Pressure sensor DAC0 output %	Get the result of checking the upper and lower limits of the pressure sensor DAC output     Set the result of checking the upper and lower limits of the pressure sensor DAC output	None
req[14-13-1-34]	Pressure sensor output acquisition orocessina Pressure sensor DAC output %	Perform pressure sensor output acquisition processing Perform pressure sensor DAC output % upper/lower	None Pressure sensor DAC output %	Get the output of the pressure sensor.     Return the output of the pressure sensor.     If the pressure sensor DAC output % is less than the lower limit, return the lower limit.	Pressure sensor output  Pressure sensor DAC output %
req[14-13-1-35]	upper/lower limit confirmation processing	limit confirmation processing	Troodic school Ento capat //	<ol><li>If the pressure sensor DAC output % is greater than the upper limit, return the upper limit.</li></ol>	
req[14-13-1-36]	Flow drop setting start processing	Perform flow drop setting start processing	Pressure sensor DAC output % Pressure sensor set value	Substitute the pressure sensor setting value for the item selection number.     Initialize item selection up/down.	Item selection number Item selection up/down
req[14-13-1-37] req[14-13-1-38]	Flow drop setting end processing Flow drop setting/confirmation end	Perform flow drop setting end processing  Perform flow drop setting/confirmation end	None None	Restore the pressure sensor settings.     Clear circuit voltage fault.	None None
	Flow drop setting display processing	processing Perform flow drop setting display processing	None	Clear the pump fault.     Get the AD value of the pressure sensor.     Create AD value display characters.	None
req[14-13-1-39]				Create the display characters for the pressure sensor settings.     Create the text for the reduced flow setting display.	
req[14-13-1-40]	Flow drop setting display item	Perform flow drop setting display item selection	Increase/decrease	Perform pressure sensor control device DAC0 output change processing.     Update the item selection number according to the increase/decrease number.	Item selection number
reg[14-13-1-41]	Flow drop confirmation start	perform flow drop confirmation start processing	Item selection number None	Clear circuit voltage fault.	None
		Perform end process for confirming flow drop	Item selection number	Clear the pump fault.     Assign the item selection number to the pressure sensor setting.     Turn on the FRAM write start flag.	Pressure sensor setting
	Flow drop confirmation display processing	Perform flow drop confirmation display processing	None	2. Turn of the Prant white staff flat.  1. Get the AD value of the pressure sensor.  2. Create display characters for AD values.	None
req[14-13-1-43]				3. Get the pressure sensor output when the pump is off. 4. Create the display characters for the pressure sensor output when the pump is OFF. 5. Create the display characters for the low flow confirmation display. 6. Get pump test results. 7. If the pump is adnormal, the pump is displayed as abnormal, and if the pump is normal, the clogging on the IN side is judged. If the IN side clogging judgment is abnormal, the flow irrea abnormally is displayed.	
req[14-15-1-1]	Power off processing of abnormal time of flammable sensor	Perform power off processing of abnormal time of flammable sensor	Main unit error status	When the battery voltage drops or the combustible sensor is abnormal, turn off the original power supply of the combustible sensor.	Port
req[14-16-1-1]	Oxygen warm up RAM data initialization processing	Perform oxygen warm up RAM data initialization processing	RAM data before initialization	Perform initialization of RAM data.	RAM data after initialization
req[14-16-1-2]	Oxygen warm up initial processing	Perform oxygen warm up initial processing Acquire warm up processing ON/OFF flag processing	RAM data before starting warm up	Substitute warm up start data in the RAM data.     Substitute warm up processing ON/OFF flag for the return value.	RAM data after starting warm up
req[14-16-1-3]	Warm-up processing ON/OFF flag acquisition processing A/D acquisition processing every	Acquire warm up processing ON/OFF flag processing  Acquire A/D value every 10 msec	AD value	Substitute warm up processing ON/OFF flag for the return value.      When the AD value is equal to or larger than the threshold value, the warm up	Warm-up processing ON/OFF flag Warm-up processing restart flag
req[14-16-1-4]	10 msec	Acquire A b Yaute every 10 filed	AO Yaute	end contimation counter is incremented.  If it is equal to one size that therebody value, the warm up end check counter is decremented and the warm up recheck counter is set to 1.  The warm up incheck counter is incremented, and if it is 2 or more, perform the processing from 3 onward.  When the warm up forced and counter is 0 or the warm up end counter is equal to or more than the specified value, terminate the warm up process.  If not 4 red own up processing.	wani-up processing restaining
req[14-16-1-5]	After the average A/D acquisition processing	Acquisition of A/D to be used for concentration calculation during warm up	None	Substitute the AD value for concentration calculation for the return value.	A/D for concentration computation
	Oxygen warm up main loop processing	Perform oxygen warm up main loop processing	Temperature A/D data	Acquire AD to calculate concentration during warm up.     For temperature below -20°C., substitute in 0 for the warm up operation flag.	Warm-up operation flag
	-			<ol> <li>For temperatures from -20 to below +35°C, substitute in 1 for the warm up operation flag.</li> </ol>	
req[14-16-1-6]				<ol> <li>For temperatures from +35 to below +45°C, substitute in 2 for the warm up operation flag.</li> <li>For temperatures from +45 to below +55°C, substitute in 3 for the warm up operation flag.</li> <li>For temperatures +55°C. or higher, substitute in 4 for the warm up operation flag.</li> </ol>	
	10 msec Interrupt handling processing	Interrupt processing every 10 msec for warm up process	None	Count the timer from warm up port ON to A/D acquisition delay OFF.     Allow A/D acquisition permission flag.	Delay OFF timer A/D acquisition permission flag
1 .			i	If the delay OFF timer is non-0, turn on the warm up port.	Delay OFF timer
req[14-16-1-7]				4. Count the timer from warm up port ON to A/D acquisition delay OFF. 5. If the delay ON timer is non-0, turn off the warm up port. 6. Prohibit A/D acquisition permission flag. 7. Decrement counter for warm up forced end.	Counter for forced warm up terminat
	Oxygen warm-up port termination processing	Perform oxygen warm-up port termination processing		4. Count the timer from warm up port ON to A/D acquisition delay OFF. 5. If the delay ON timer is non-0, turn off the warm up port. 6. Prohibit A/D acquisition permission flag.	Counter for forced warm up terminat  None
	processing A/D average processing for hydrogen cancellation CO of RL78	Perform oxygen warm-up port termination processing	None Hydrogen compensation CO sensor A/D average buffer	4. Count the timer from warm up port ON to A/D acquisition delay OFF.  5. If the delay ON timer is non-0, turn off the warm up port.  6. Prohibit A/D acquisition permission flag.  7. Decrement counter for warm up forced end.	
req[14-16-1-8]	processing A/D average processing for hydrogen	Perform oxygen warm-up port termination processing Perform A/D average processing (once per 1 second)	Hydrogen compensation CO sensor A/D	4. Count the timer from warm up port ON to A/D acquisition delay OFF. 5. If the delay ON timer is nn-0, Lum off the warm up port. 6. Prohibit A/D acquisition permission flag, 7. Decrement counter for warm up forced end. 1. Set Hi when the oxygen warm-up port is Lo. 1. Hydrogen Compensated CO Sensor A/D Use the average buffer to obtain the sensor	None Hydrogen compensation CO sensor A/D