

GX-Force Source code analysis result

Document No.GX-Force_SW403

Approval	Review	Preparation
Name : Engineering Div. 2 Mutou	Name : Engineering Div. 2 Hirao	Name : Engineering Div. 2 Ikarashi
Date 2021/5/28	Date 2021/5/28	Date 2021/5/26

1. Revision history

No.	Date	Version	Revised content	Remarks
Ex.	20XX/XX/XX	RevX.X	Create New	
1	2021/5/26	Rev1.0	Create New	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				

Contents

1. Revision history	2
2. Source code analysis result	4
2.1 Project information	4
2.1 Complexity and nesting level of program unit	4

2. Source code analysis result

- Analysis target source code :
07244(Main MCU), 07245(Sensor MCU)

2.1 Project information

- Number of files : 110 (07244) 27 (07245)
- Number of program units : 1533 (07244) 139 (07245)
- Number of execution codes in the project : 35844 (07244) 1195 (07245)

2.1 Complexity and nesting level of program unit

07244(Main MCU)

Function name	Cyclomatic	Nesting
Ad12bit_Ad_Ave_Op	4	2
Ad12bit_Calc_Voltage	1	0
Ad12bit_Check_InitalProcessFlag	2	1
Ad12bit_Get_Ad_Data	2	1
AD12BIT_Init_Setting	3	2
Ad12bit_Int_Ad_Start	2	1
Ad12bit_Int_Adc	3	1
AlarmEvent_Judg_AlarmEvent	6	4
AlarmEvent_Set_AlarmReset	2	1
AlarmEvent_Set_InitAlarmFlg	2	1
Asm_Jump_Boot	1	0
Battery_Chk_Battery	15	3
Battery_Get_BatteryAD	1	0
Battery_Get_ComBatteryAD	1	0
Battery_Get_ComBatteryIconAD	1	0
Battery_Get_PowerOffFlg	1	0
Battery_Set_BatteryMark	7	1
BUZZER_Chk_TestFlg	2	1
BUZZER_Get_BuzzerOnOff	1	0
BUZZER_Get_MotorOnOff	1	0
BUZZER_Hz_Set_Op	7	3
BUZZER_Init_Set	1	0
BUZZER_Interrupt_A_CompareMatch	2	1
BUZZER_Main_Loop_Op	38	3

BUZZER_Set_AlarmSilence	1	0
BUZZER_Set_Boot_Flg	1	0
BUZZER_Set_FailBuzzer	4	2
BUZZER_Set_PowerOFF	1	0
BUZZER_Set_TestBuzzer	9	2
BUZZER_Short_Command	11	2
BUZZER_Test_Command	5	1
CodeFlash_Check_Blank_isFault	2	1
CodeFlash_Close_Flash_isFault	1	0
CodeFlash_Erase_Addr_isFault	7	2
CodeFlash_Erase_Block_isFault	4	2
CodeFlash_Get_SettingInfo_isFault	1	0
CodeFlash_Get_StartUpArea	1	0
CodeFlash_Open_Flash_isFault	2	1
CodeFlash_Read_Flash_isFault	2	1
CodeFlash_Set_SettingInfo_isFault	2	1
CodeFlash_Swap_StartUpArea_isFault	2	1
CodeFlash_Write_Flash_isFault	5	4
CodeFlash_Write_Flash_StatusGetWait	2	1
ComCommand_Check_UsbComNonPartner	4	1
ComCommand_Chk_ReceiveSumFault	6	2
ComCommand_Error_ReceiveData	2	1
ComCommand_Get_DeviceStatus	1	0
ComCommand_Get_DeviceTransmitEnable	2	1
ComCommand_Get_ReceiveData	4	2
ComCommand_Get_UsbComPartner	2	1
ComCommand_Init_Process	3	1
ComCommand_Process_AnalysisData	5	3
ComCommand_Start_Device	1	0
ComCommand_Stop_Device	1	0
DA12bit_Init_Setting	1	0
DA12bit_Set_OutputNum	2	1
DA12bit_Start_Output	1	0
DA12bit_Stop_Output	1	0
DA12bitSelfCheck_Init_Setting	1	0
DA12bitSelfCheck_Set_CheckStart	1	0

DA12bitSelfCheck_Set_CheckWaitTimer	1	0
Data_Detector_Init_EepAddress	1	0
Data_Detector_Set_DataAddress	1	0
Data_Detector_Set_Default	2	1
DataFlash_flash_write	15	5
DataFram_AlarmReset_Load	13	3
DataFram_AlarmReset_Write	1	0
DataFram_FRAM_Diag	2	1
DataFram_FRAM_Factory_load	13	3
DataFram_Get_AlarmResetAddress	1	0
DataFram_Get_ChkDataAddress	1	0
DataFram_Get_DataLoggerAddress	1	0
DataFram_Get_Dumpload	2	1
DataFram_Get_FramDataAddress	1	0
DataFram_Get_LunchBreakAddress	1	0
DataFram_Get_StIDAddress	1	0
DataFram_Get_UserIDAddress	1	0
DataFram_LunchBreak_Load	13	3
DataFram_LunchBreak_Write	3	1
DataFram_write_factory_fram	1	0
DataFramFactory_Alarmpoint_load	2	1
DataFramFactory_All_load	1	0
DataFramFactory_Chk_AlarmReset_load	16	3
DataFramFactory_Chk_AlarmResetOnOffFlg	1	0
DataFramFactory_write_op	3	2
DataLogger_air_adjustment	7	6
DataLogger_bump	15	7
DataLogger_calibration	14	7
DataLogger_clear	8	4
DataLogger_clearPower	7	3
DataLogger_confirm	49	7
DataLogger_default	5	2
DataLogger_Init_EepAddress	1	0
DataLogger_peak_clear	1	0
DataLogger_power_off	45	4
DataLogger_power_on	4	1

DataLogger_Set_Default	2	1
DataLogger_setting_check	82	4
DataLogger_snap	11	5
DataLogger_snap_end_data	4	2
DataLogger_snap_read	2	1
DataLogger_start	22	4
DataLogger_stop	15	4
DataLogger_write_test	9	1
DataStructConst_def_DenstData	5	2
DataStructConst_DefaultStId	2	1
DataStructConst_DefaultUserId	2	1
DataStructConst_Set_DenstDataAddress	1	0
DataStructConst_Set_FramGasSpec	2	1
DataStructConst_Set_GasSpec	5	2
DataStructConst_Set_NCGasSpec	1	0
DataStructConst_Set_StatusDataAddress	1	0
f_Calc_RegisterNum	1	0
f_Check_CopyRam	2	1
f_Check_DacOutPutPer	3	1
f_Check_FlowFail	6	4
f_Check_FlowFailInPsSensor	2	1
f_Check_LowTempMoveFlag	3	2
f_Check_MainRam	5	2
f_Check_PumpFail	7	4
f_Check_PurgeLimitCheck_isNeed	5	3
f_Check_RefVoltFail	5	4
f_Clear_Txd_Busy	1	0
f_cmd_90_proc	3	2
f_cmd_91_proc	2	1
f_cmd_92_proc	8	2
f_cmd_RC_proc	2	1
f_cmd_ResponsTerm	1	0
f_cmd_W0_proc	2	1
f_cmd_WS_proc	4	2
f_cmd_WU_proc	6	3
f_Cyclic_250msecProcess	8	2

f_Cyclic_CheckProcess	13	2
f_Drive_Set	2	1
f_End_AccessFlash_isFault	1	0
f_End_MainLoop	2	1
f_Get_OffFlowValue	1	0
f_Init_MainRam	1	0
f_LoHi_Set	2	1
f_Mainloop	3	2
f_Pause_Interrupt	1	0
f_Phase_PumpMove	20	3
f_Power_Set	2	1
f_Reset_op	4	2
f_Response_PC	1	0
f_Restart_Interrupt	1	0
f_Send_Txd	1	0
f_Set_FlowFail	1	0
f_Set_PumpFail	1	0
f_Set_PumpOperation	2	1
f_Set_RefVoltFail	1	0
f_Set_SendData	1	0
f_Shift_TwaBuf	2	1
f_Sum_Calc	2	1
Flash_10msec_interrupt	2	1
flash_Block_Erase	4	2
flash_read	4	2
flash_status_read	4	2
FlowAlarmSettingDisplay_Chk_AlarmSettingEndNum	2	1
FlowAlarmSettingDisplay_Chk_AlarmSettingResetNum	2	1
FlowAlarmSettingDisplay_Disp_AlarmPointChange	7	2
FlowAlarmSettingDisplay_Disp_AlarmSettingMenu	3	1
FlowAlarmSettingDisplay_Disp1_FactoryDefault	3	1
FlowAlarmSettingDisplay_Disp2_FactoryDefault	3	1
FlowAlarmSettingDisplay_End_AlarmPointChange	1	0
FlowAlarmSettingDisplay_Init_AlarmPointChange	1	0
FlowAlarmSettingDisplay_Init_AlarmSettingMenu	3	2
FlowAlarmSettingDisplay_Select_AlarmPointChange	17	3

FlowAlarmSettingDisplay_Select_AlarmSettingMenu	14	5
FlowAlarmSettingDisplay_Select_PointTypeChange	6	3
FlowAlarmSettingDisplay_Set_FactoryDefault	1	0
FlowBeepDisplay_Disp_BeepSelect	8	1
FlowBeepDisplay_Disp_BeepTime	2	1
FlowBeepDisplay_End_BeepSelect	2	1
FlowBeepDisplay_End_BeepTime	1	0
FlowBeepDisplay_Init_BeepMenu	1	0
FlowBeepDisplay_Init_BeepSelect	1	0
FlowBeepDisplay_Init_BeepTime	1	0
FlowBeepDisplay_Select_BeepMenu	1	0
FlowBeepDisplay_Select_BeepSelect	1	0
FlowBeepDisplay_Select_BeepTime	2	1
FlowBeepDisplay_Set_BeepMenu	4	1
FlowBumpLimitDisplay_Disp_BumpExprd	4	1
FlowBumpLimitDisplay_Disp_BumpInterval	1	0
FlowBumpLimitDisplay_Disp_BumpReminder	1	0
FlowBumpLimitDisplay_End_BumpExprd	1	0
FlowBumpLimitDisplay_End_BumpInterval	1	0
FlowBumpLimitDisplay_End_BumpReminder	1	0
FlowBumpLimitDisplay_Init_BumpExprd	1	0
FlowBumpLimitDisplay_Init_BumpInterval	1	0
FlowBumpLimitDisplay_Init_BumpLimitMenu	1	0
FlowBumpLimitDisplay_Init_BumpReminder	1	0
FlowBumpLimitDisplay_Select_BumpExprd	1	0
FlowBumpLimitDisplay_Select_BumpInterval	2	1
FlowBumpLimitDisplay_Select_BumpLimitMenu	3	2
FlowBumpLimitDisplay_Select_BumpReminder	1	0
FlowBumpLimitDisplay_Set_BumpLimitMenu	6	1
FlowBumpParameterDisplay_Disp_BumpCalOnOff	1	0
FlowBumpParameterDisplay_Disp_BumpCalTime	1	0
FlowBumpParameterDisplay_Disp_BumpLimit	1	0
FlowBumpParameterDisplay_Disp_BumpTime	1	0
FlowBumpParameterDisplay_End_BumpCalOnOff	1	0
FlowBumpParameterDisplay_End_BumpCalTime	1	0
FlowBumpParameterDisplay_End_BumpLimit	1	0

FlowBumpParameterDisplay_End_BumpTime	1	0
FlowBumpParameterDisplay_Init_BumpCalOnOff	1	0
FlowBumpParameterDisplay_Init_BumpCalTime	1	0
FlowBumpParameterDisplay_Init_BumpLimit	1	0
FlowBumpParameterDisplay_Init_BumpParameterMenu	1	0
FlowBumpParameterDisplay_Init_BumpTime	1	0
FlowBumpParameterDisplay_Select_BumpCalOnOff	1	0
FlowBumpParameterDisplay_Select_BumpCalTime	2	1
FlowBumpParameterDisplay_Select_BumpLimit	10	2
FlowBumpParameterDisplay_Select_BumpParameterMenu	1	0
FlowBumpParameterDisplay_Select_BumpTime	8	2
FlowBumpParameterDisplay_Set_BumpParameterMenu	6	1
FlowBumpTestDisplay_10msec_interrupt	3	1
FlowBumpTestDisplay_Chk_BumpAlarm	6	4
FlowBumpTestDisplay_Chk_BumpCalNecessity	4	3
FlowBumpTestDisplay_Chk_BumpCalOnOff	2	1
FlowBumpTestDisplay_Chk_BumpCalStartInitial	9	4
FlowBumpTestDisplay_Chk_BumpCalTimeEnd	2	1
FlowBumpTestDisplay_Chk_BumpGasSelect	1	0
FlowBumpTestDisplay_Chk_BumpSuccess	6	5
FlowBumpTestDisplay_Chk_BumpTestResult	4	3
FlowBumpTestDisplay_Chk_BumpTestTimeEnd	2	1
FlowBumpTestDisplay_Chk_HCModeWarmFlg	6	5
FlowBumpTestDisplay_Com_BumpTest	6	5
FlowBumpTestDisplay_Disp_BumpGasSelect	13	4
FlowBumpTestDisplay_Disp_BumpResult	15	6
FlowBumpTestDisplay_Disp_BumpTest	8	3
FlowBumpTestDisplay_Disp_SetBumpCal	1	0
FlowBumpTestDisplay_Execution_BumpCal	1	0
FlowBumpTestDisplay_Get_BumpCalTime	1	0
FlowBumpTestDisplay_Get_BumpGasSelect	1	0
FlowBumpTestDisplay_Get_BumpResultDenst	1	0
FlowBumpTestDisplay_Get_BumpSDMSelear	1	0
FlowBumpTestDisplay_Get_BumpTestTime	1	0
FlowBumpTestDisplay_Init_BumpTest	7	4
FlowBumpTestDisplay_Select_BumpGasSelect	10	4

FlowBumpTestDisplay_Select_BumpResult	6	2
FlowBumpTestDisplay_SelectUp_BumpGasSelect	4	3
FlowBumpTestDisplay_Set_BumpCalData	1	0
FlowBumpTestDisplay_Set_BumpErrorOff	2	1
FlowBumpTestDisplay_Set_BumpSDMSelear	1	0
FlowCalLimitDisplay_Disp_CalExprd	4	1
FlowCalLimitDisplay_Disp_CallInterval	1	0
FlowCalLimitDisplay_Disp_CalReminder	1	0
FlowCalLimitDisplay_End_CalExprd	1	0
FlowCalLimitDisplay_End_CallInterval	1	0
FlowCalLimitDisplay_End_CalReminder	1	0
FlowCalLimitDisplay_Init_CalExprd	1	0
FlowCalLimitDisplay_Init_CallInterval	1	0
FlowCalLimitDisplay_Init_CalLimitMenu	1	0
FlowCalLimitDisplay_Init_CalReminder	1	0
FlowCalLimitDisplay_Select_CalExprd	1	0
FlowCalLimitDisplay_Select_CallInterval	2	1
FlowCalLimitDisplay_Select_CalLimitMenu	3	2
FlowCalLimitDisplay_Select_CalReminder	1	0
FlowCalLimitDisplay_Set_CalLimitMenu	5	1
FlowComDisplay_Disp_SDMMode	1	0
FlowComDisplay_Set_ComConnect	1	0
FlowDispDisplay_Disp_AlarmPointData	8	1
FlowDispDisplay_Disp_BumpData	1	0
FlowDispDisplay_Disp_CalData	1	0
FlowDispDisplay_Disp_HCGasSetting	1	0
FlowDispDisplay_Disp_HCLongSetting	1	0
FlowDispDisplay_Disp_PeakClearHold	1	0
FlowDispDisplay_Disp_PeakClearRelease	1	0
FlowDispDisplay_Disp_PumpOff	3	1
FlowDispDisplay_Disp_SnapData	4	2
FlowDispDisplay_Disp_StationIdSelect	1	0
FlowDispDisplay_Disp_UserIdSelect	1	0
FlowDispDisplay_End_HCGasSetting	1	0
FlowDispDisplay_End_HCLongSetting	1	0
FlowDispDisplay_End_PumpOff	1	0

FlowDispDisplay_End_StationIdSelect	1	0
FlowDispDisplay_End_UserIdSelect	1	0
FlowDispDisplay_Get_LightOnPermission	2	1
FlowDispDisplay_Init_AlarmPointData	1	0
FlowDispDisplay_Init_BumpData	1	0
FlowDispDisplay_Init_CalData	1	0
FlowDispDisplay_Init_DispMenu	1	0
FlowDispDisplay_Init_HCGasSetting	1	0
FlowDispDisplay_Init_HCLongSetting	1	0
FlowDispDisplay_Init_PumpOff	1	0
FlowDispDisplay_Init_SnapData	4	1
FlowDispDisplay_Init_StationIdSelect	1	0
FlowDispDisplay_Init_UserIdSelect	1	0
FlowDispDisplay_Select_AlarmPointData	4	2
FlowDispDisplay_Select_BumpData	1	0
FlowDispDisplay_Select_CalData	1	0
FlowDispDisplay_Select_DispMenu	4	2
FlowDispDisplay_Select_HCGasSetting	13	4
FlowDispDisplay_Select_HCLongSetting	1	0
FlowDispDisplay_Select_SnapDetail	3	2
FlowDispDisplay_Select_SnapRecData	3	2
FlowDispDisplay_Select_SnapUpDownMode	2	1
FlowDispDisplay_Select_StationIdSelect	2	1
FlowDispDisplay_Select_UserIdSelect	2	1
FlowDispDisplay_Set_AlarmPointData	2	1
FlowDispDisplay_Set_DispMenu	50	2
FlowDispDisplay_Set_LightOnOffSetting	1	0
FlowFactDisplay_Chk_GasCombChannelSelect2chH2Num	3	2
FlowFactDisplay_Chk_GasCombChannelSelectEndNum	2	1
FlowFactDisplay_Chk_RomSumDisp	3	1
FlowFactDisplay_Disb_FlowAdjSetting	2	1
FlowFactDisplay_Disb_FlowCheck	5	2
FlowFactDisplay_Disb_GasCombChannelSelect	3	2
FlowFactDisplay_Disb_GasCombGasSelect	1	0
FlowFactDisplay_Disb_RomSumDisp	15	3
FlowFactDisplay_Disb_RunningFactoryDefault	1	0

FlowFactDisplay_Disp1_FactoryDefault	1	0
FlowFactDisplay_Disp2_FactoryDefault	1	0
FlowFactDisplay_End_FlowAdjSetting	1	0
FlowFactDisplay_End_FlowAdjSettingAndCheck	1	0
FlowFactDisplay_End_FlowCheck	1	0
FlowFactDisplay_End_GasCombGasSelect	12	2
FlowFactDisplay_Init_ADDisp	1	0
FlowFactDisplay_Init_FactMenu	1	0
FlowFactDisplay_Init_FlowAdjSetting	1	0
FlowFactDisplay_Init_FlowCheck	1	0
FlowFactDisplay_Init_GasCombChannelSelect	1	0
FlowFactDisplay_Init_GasCombGasSelect	1	0
FlowFactDisplay_Init_RomSumDisp	1	0
FlowFactDisplay_Select_ADDispNum	1	0
FlowFactDisplay_Select_FactMenu	1	0
FlowFactDisplay_Select_FlowAdjSetting	2	1
FlowFactDisplay_Select_GasCombChannelSelect	1	0
FlowFactDisplay_Select_GasCombGasSelect	8	3
FlowFactDisplay_Set_ADDisp	42	2
FlowFactDisplay_Set_FactMenu	9	1
FlowFactDisplay_Set_FactoryDefault	1	0
FlowGasCalDisplay_Chk_AutoCalMenuGasOn	4	3
FlowGasCalDisplay_Chk_AutoCalMenuZIPC	1	0
FlowGasCalDisplay_Chk_AutoCalSelectMenu	1	0
FlowGasCalDisplay_Chk_HCModeWarmFlg	4	3
FlowGasCalDisplay_Disp_AirCalDenst	1	0
FlowGasCalDisplay_Disp_AirCalPass	1	0
FlowGasCalDisplay_Disp_AirFail	9	4
FlowGasCalDisplay_Disp_AirHold	1	0
FlowGasCalDisplay_Disp_AirRelease	1	0
FlowGasCalDisplay_Disp_AutoCal_ChgDenst	1	0
FlowGasCalDisplay_Disp_AutoCal_SelectGas	2	1
FlowGasCalDisplay_Disp_AutoCalBlinkDenst	5	2
FlowGasCalDisplay_Disp_AutoCalDenst	15	4
FlowGasCalDisplay_Disp_AutoCalPass	1	0
FlowGasCalDisplay_Disp_AutoCalRunning	1	0

FlowGasCalDisplay_Disp_DefaultConfirmation	1	0
FlowGasCalDisplay_Disp_DefaultNG	1	0
FlowGasCalDisplay_Disp_DefaultOK	1	0
FlowGasCalDisplay_Disp_EndAutoCalDenst	3	2
FlowGasCalDisplay_Disp_FailAutoCal	4	3
FlowGasCalDisplay_Disp_GroupSelectGas	2	1
FlowGasCalDisplay_Disp_GroupSelectGroup	6	1
FlowGasCalDisplay_Disp_HCModeWarmFlg	1	0
FlowGasCalDisplay_Disp_SetDefault	1	0
FlowGasCalDisplay_Disp_SpanMargin	4	3
FlowGasCalDisplay_End_AutoCal_ChgDenst	1	0
FlowGasCalDisplay_End_GroupSelectGroup	1	0
FlowGasCalDisplay_Execution_AutoCal	1	0
FlowGasCalDisplay_Get_SpanMarginOnOff	5	4
FlowGasCalDisplay_Init_AutoCal_ChgDenst	1	0
FlowGasCalDisplay_Init_AutoCal_SelectGas	3	2
FlowGasCalDisplay_Init_AutoCalBlinkDenst	1	0
FlowGasCalDisplay_Init_AutoCalMenu	6	4
FlowGasCalDisplay_Init_GasCalMenu	1	0
FlowGasCalDisplay_Init_GroupSelectGas	3	2
FlowGasCalDisplay_Init_GroupSelectGroup	1	0
FlowGasCalDisplay_Init_LimitGasCalMenu	1	0
FlowGasCalDisplay_Select_AutoCal_ChgDenst	3	2
FlowGasCalDisplay_Select_AutoCal_SelectGas	9	4
FlowGasCalDisplay_Select_AutoCalMenu	10	5
FlowGasCalDisplay_Select_GasCalMenu	13	4
FlowGasCalDisplay_Select_GroupSelectGas	9	4
FlowGasCalDisplay_Select_GroupSelectGroup	1	0
FlowGasCalDisplay_SelectUp_AutoCalMenu	4	2
FlowGasCalDisplay_Set_GasCalMenu	5	1
FlowGasSelDisplay_Disp_ChangeLELValue	4	1
FlowGasSelDisplay_Disp_MarginDispOnOff	1	0
FlowGasSelDisplay_Disp_ResetAlarmPoint	4	1
FlowGasSelDisplay_Disp_StealthMotorOnOff	1	0
FlowGasSelDisplay_Disp_StealthOnOff	1	0
FlowGasSelDisplay_End_ChangeLELValue	1	0

FlowGasSelDisplay_End_MarginDispOnOff	1	0
FlowGasSelDisplay_End_ResetAlarmPoint	3	1
FlowGasSelDisplay_End_StealthOnOff	1	0
FlowGasSelDisplay_Init_ChangeLELValue	1	0
FlowGasSelDisplay_Init_GasSelMenu	1	0
FlowGasSelDisplay_Init_MarginDispOnOff	1	0
FlowGasSelDisplay_Init_StealthMotorOnOff	1	0
FlowGasSelDisplay_Init_StealthOnOff	1	0
FlowGasSelDisplay_Select_ChangeLELValue	1	0
FlowGasSelDisplay_Select_GasSelMenu	1	0
FlowGasSelDisplay_Select_MarginDispOnOff	1	0
FlowGasSelDisplay_Select_StealthMotorOnOff	1	0
FlowGasSelDisplay_Select_StealthOnOff	1	0
FlowGasSelDisplay_Set_GasSelMenu	7	1
FlowInitialDisplay_Calc_InitDispTime	12	3
FlowInitialDisplay_Chk_HCModeHHCflg	3	2
FlowInitialDisplay_Disp_BumpLimitEffe	4	1
FlowInitialDisplay_Disp_BumpLimitOk	2	1
FlowInitialDisplay_Disp_BumpLimitOper	3	1
FlowInitialDisplay_Disp_BumpLimitRequ	4	1
FlowInitialDisplay_Disp_CallimitEffe	4	1
FlowInitialDisplay_Disp_CallimitOk	2	1
FlowInitialDisplay_Disp_CallimitOper	3	1
FlowInitialDisplay_Disp_CallimitRequ	4	1
FlowInitialDisplay_Disp_MainteNoticeEffe	2	1
FlowInitialDisplay_Disp_MainteNoticeOk	2	1
FlowInitialDisplay_Disp_MainteNoticeOper	1	0
FlowInitialDisplay_Disp_MainteNoticeRequ	1	0
FlowInitialDisplay_Disp_PleaseWait	1	0
FlowInitialDisplay_Disp_ResumeConfirmation	4	1
FlowInitialDisplay_Disp_ResumeFail	1	0
FlowInitialDisplay_Disp_ResumeOFF	1	0
FlowInitialDisplay_Disp_ResumeON	1	0
FlowInitialDisplay_DispSet_1hAlarm	3	2
FlowInitialDisplay_DispSet_1stAlarm	5	4
FlowInitialDisplay_DispSet_2ndAlarm	5	4

FlowInitialDisplay_DispSet_3rdAlarm	5	4
FlowInitialDisplay_DispSet_AutoZeroConfirm	4	1
FlowInitialDisplay_DispSet_Battery	2	1
FlowInitialDisplay_DispSet_DateAndTime	1	0
FlowInitialDisplay_DispSet_FS	6	3
FlowInitialDisplay_DispSet_GasName	4	3
FlowInitialDisplay_DispSet_SensorInitFail	9	5
FlowInitialDisplay_DispSet_StationId	1	0
FlowInitialDisplay_DispSet_STELAlarm	5	4
FlowInitialDisplay_DispSet_TWAAAlarm	6	5
FlowInitialDisplay_DispSet_UserId	1	0
FlowInitialDisplay_Get_InitDispTime	1	0
FlowInitialDisplay_Set_AllOffDisp	1	0
FlowInitialDisplay_Set_AllOnDisp	1	0
FlowInitialDisplay_Set_HCModeHHCflgGasName	2	1
FlowMain_Disp_FailDisp	51	5
FlowMain_Get_ModeStatus	1	0
FlowMain_Select_MenuNum	13	4
FlowMain_Set_ModeStatus	1	0
FlowMainteDisplay_Chk_ChangeSensorDateEndNum	2	1
FlowMainteDisplay_DigitDown_MaintePassSelect	2	1
FlowMainteDisplay_DigitUp_MaintePassSelect	2	1
FlowMainteDisplay_Disp_AlarmPatternOnOff	2	1
FlowMainteDisplay_Disp_AlarmSilenceOnOff	1	0
FlowMainteDisplay_Disp_AutoZeroOnOff	1	0
FlowMainteDisplay_Disp_ChangeSenDateSet	6	2
FlowMainteDisplay_Disp_ChangeSensorDate	4	2
FlowMainteDisplay_Disp_DemandZeroOnOff	1	0
FlowMainteDisplay_Disp_DispPumpOff	1	0
FlowMainteDisplay_Disp_DispSuppressOnOff	1	0
FlowMainteDisplay_Disp_DispZeroFillwrOnOff	1	0
FlowMainteDisplay_Disp_GasTest	5	3
FlowMainteDisplay_Disp_IdDispOnOff	1	0
FlowMainteDisplay_Disp_MaintePassOnOff	1	0
FlowMainteDisplay_Disp_MaintePassSelect	1	0
FlowMainteDisplay_Disp_RunningFactoryDefault	1	0

FlowMainteDisplay_Displ1_FactoryDefault	1	0
FlowMainteDisplay_Displ2_FactoryDefault	1	0
FlowMainteDisplay_End_AlarmPatternOnOff	1	0
FlowMainteDisplay_End_AlarmSilenceOnOff	1	0
FlowMainteDisplay_End_AutoZeroOnOff	1	0
FlowMainteDisplay_End_ChangeSenDateSet	3	1
FlowMainteDisplay_End_DemandZeroOnOff	1	0
FlowMainteDisplay_End_DisplPumpOff	1	0
FlowMainteDisplay_End_DisplSuppressOnOff	1	0
FlowMainteDisplay_End_DisplZeroFillwrOnOff	1	0
FlowMainteDisplay_End_IdDispOnOff	1	0
FlowMainteDisplay_End_MaintePassOnOff	1	0
FlowMainteDisplay_End_MaintePassSelect	1	0
FlowMainteDisplay_Init_AlarmPatternOnOff	1	0
FlowMainteDisplay_Init_AlarmSilenceOnOff	1	0
FlowMainteDisplay_Init_AutoZeroOnOff	1	0
FlowMainteDisplay_Init_ChangeSensorDate	3	2
FlowMainteDisplay_Init_DemandZeroOnOff	1	0
FlowMainteDisplay_Init_DisplPumpOff	1	0
FlowMainteDisplay_Init_DisplSuppressOnOff	1	0
FlowMainteDisplay_Init_DisplZeroFillwrOnOff	1	0
FlowMainteDisplay_Init_IdDispOnOff	1	0
FlowMainteDisplay_Init_MainteMenu	1	0
FlowMainteDisplay_Init_MaintePassOnOff	1	0
FlowMainteDisplay_Init_MaintePassSelect	1	0
FlowMainteDisplay_Select_AlarmPatternOnOff	1	0
FlowMainteDisplay_Select_AlarmSilenceOnOff	1	0
FlowMainteDisplay_Select_AutoZeroOnOff	1	0
FlowMainteDisplay_Select_ChangeSensorDate	11	5
FlowMainteDisplay_Select_DemandZeroOnOff	1	0
FlowMainteDisplay_Select_DisplPumpOff	1	0
FlowMainteDisplay_Select_DisplSuppressOnOff	1	0
FlowMainteDisplay_Select_DisplZeroFillwrOnOff	1	0
FlowMainteDisplay_Select_IdDispOnOff	1	0
FlowMainteDisplay_Select_MainteMenu	1	0
FlowMainteDisplay_Select_MaintePassOnOff	1	0

FlowMainteDisplay_Select_MaintePassSelect	1	0
FlowMainteDisplay_Set_FactoryDefault	1	0
FlowMainteDisplay_Set_MainteMenu	22	1
FlowMainteNoticeDisplay_Disp_CalExprd	4	1
FlowMainteNoticeDisplay_Disp_MainteNoticeDay	1	0
FlowMainteNoticeDisplay_Disp_MainteNoticeMenu	6	1
FlowMainteNoticeDisplay_Disp_MainteNoticeOnOff	1	0
FlowMainteNoticeDisplay_Disp_MainteNoticeReset	4	1
FlowMainteNoticeDisplay_End_CalExprd	1	0
FlowMainteNoticeDisplay_End_MainteNoticeDay	1	0
FlowMainteNoticeDisplay_End_MainteNoticeOnOff	1	0
FlowMainteNoticeDisplay_End_MainteNoticeReset	1	0
FlowMainteNoticeDisplay_Init_CalExprd	1	0
FlowMainteNoticeDisplay_Init_MainteNoticeDay	1	0
FlowMainteNoticeDisplay_Init_MainteNoticeMenu	1	0
FlowMainteNoticeDisplay_Init_MainteNoticeOnOff	1	0
FlowMainteNoticeDisplay_Select_CalExprd	1	0
FlowMainteNoticeDisplay_Select_MainteNoticeDay	2	1
FlowMainteNoticeDisplay_Select_MainteNoticeMenu	3	2
FlowMainteNoticeDisplay_Select_MainteNoticeOnOff	1	0
FlowMeasDisplay_Set_MeasDisp	11	3
FlowPassDisplay_Chg_PassNum	2	1
FlowPassDisplay_Chg_UpDown	2	1
FlowPassDisplay_Chk_End	2	1
FlowPassDisplay_Chk_Pass	20	2
FlowPassDisplay_Disp_PassErr	1	0
FlowPassDisplay_Get_PassType	1	0
FlowPassDisplay_Get_Return	1	0
FlowPassDisplay_Input_Pass	1	0
FlowPassDisplay_Set_Enter	4	2
FlowPassDisplay_Set_PassInit	2	1
FlowProcesDisplay_10msec_Interrupt	2	1
FlowProcesDisplay_Chk_PurgeTimeEnd	2	1
FlowProcesDisplay_Get_PumpOffFlag	1	0
FlowProcesDisplay_Get_PurgeFlag	1	0
FlowProcesDisplay_Init_Process	1	0

FlowProcesDisplay_Set_PumpOffFlag	1	0
FlowProcesDisplay_Set_Purge	1	0
FlowProcesDisplay_Set_PurgeFlag	1	0
FlowProcesDisplay_Set_PurgeTime	1	0
FlowProcesDisplay_Set_TurnOff	1	0
FlowProcesDisplay_Set_UpData	1	0
FlowSnaplogDisplay_Disp_SnapDisp	5	1
FlowSnaplogDisplay_Disp_SnapSaved	1	0
FlowSnaplogDisplay_Set_SnapLog	1	0
FlowUserDisplay_Chk_UserPassOnOff	1	0
FlowUserDisplay_Chk_ZeroSuppressEsc	2	1
FlowUserDisplay_DigitDown_UserPassSelect	2	1
FlowUserDisplay_DigitUp_UserPassSelect	2	1
FlowUserDisplay_Disp_BackLightTime	2	1
FlowUserDisplay_Disp_DispModeSettingItemDisplay	1	0
FlowUserDisplay_Disp_KeyTone	1	0
FlowUserDisplay_Disp_LunchBreak	1	0
FlowUserDisplay_Disp_UserPassOnOff	1	0
FlowUserDisplay_Disp_UserPassSelect	1	0
FlowUserDisplay_Disp_ZeroFollowerGas	2	1
FlowUserDisplay_Disp_ZeroFollowerSet	3	1
FlowUserDisplay_Disp_ZeroSuppressGas	2	1
FlowUserDisplay_Disp_ZeroSuppressSet	3	1
FlowUserDisplay_End_BackLightTime	1	0
FlowUserDisplay_End_DateSetteng	1	0
FlowUserDisplay_End_DispModeSettingItemDisplay	1	0
FlowUserDisplay_End_KeyTone	1	0
FlowUserDisplay_End_LunchBreak	1	0
FlowUserDisplay_End_UserPassOnOff	1	0
FlowUserDisplay_End_UserPassSelect	1	0
FlowUserDisplay_End_ZeroFollowerSet	1	0
FlowUserDisplay_End_ZeroSuppressSet	1	0
FlowUserDisplay_Init_BackLightTime	1	0
FlowUserDisplay_Init_BumpLimitUserMenu	1	0
FlowUserDisplay_Init_CalLimitUserMenu	1	0
FlowUserDisplay_Init_DateSetteng	6	1

FlowUserDisplay_Init_DispModeSettingItemDisplay	1	0
FlowUserDisplay_Init_KeyTone	1	0
FlowUserDisplay_Init_LunchBreak	1	0
FlowUserDisplay_Init_UserMenu	1	0
FlowUserDisplay_Init_UserPassOnOff	1	0
FlowUserDisplay_Init_UserPassSelect	1	0
FlowUserDisplay_Init_ZeroFollowerGas	3	2
FlowUserDisplay_Init_ZeroFollowerSet	1	0
FlowUserDisplay_Init_ZeroSuppressGas	3	2
FlowUserDisplay_Init_ZeroSuppressSet	1	0
FlowUserDisplay_Select_BackLightTime	2	1
FlowUserDisplay_Select_DateSettengltem	6	3
FlowUserDisplay_Select_DateSettingNum	7	1
FlowUserDisplay_Select_DispModeSettingItemDisplay	1	0
FlowUserDisplay_Select_KeyTone	1	0
FlowUserDisplay_Select_LunchBreak	1	0
FlowUserDisplay_Select_UserMenu	1	0
FlowUserDisplay_Select_UserPassOnOff	1	0
FlowUserDisplay_Select_UserPassSelect	1	0
FlowUserDisplay_Select_ZeroFollowerGas	9	4
FlowUserDisplay_Select_ZeroFollowerSet	1	0
FlowUserDisplay_Select_ZeroSuppressGas	9	4
FlowUserDisplay_Select_ZeroSuppressSet	1	0
FlowUserDisplay_Set_DateSetting	6	1
FlowUserDisplay_Set_EndDisp	1	0
FlowUserDisplay_Set_UserMenu	17	1
fn_LedCtl	9	2
FRAM_Get_DefaultAnsFlg	1	0
FRAM_Get_DefaultEndFlg	3	1
FRAM_Get_flg	1	0
FRAM_ID_load	5	1
FRAM_id_write_op	3	1
FRAM_Init_DataAddress	1	0
FRAM_load	13	3
FRAM_Set_ChkData_Default	1	0
FRAM_Set_Default	1	0

FRAM_Set_DefaultStartFlg	1	0
FRAM_Set_FailFlg	1	0
FRAM_Set_flg	1	0
FRAM_Set_ID_Default	1	0
FRAM_Set_MainDefault	10	2
FRAM_write_op	4	2
FuncBumpLimit_Chk_BumpLimitDay	6	4
FuncBumpLimit_Chk_BumpLimitExpired	2	1
FuncBumpLimit_Get_BumpLimitExpiredBehavior	1	0
FuncBumpLimit_Get_BumpLimitOnOff	2	1
FuncBumpLimit_Get_ChkBumpLimitExpired	1	0
FuncBumpLimit_Set_BumpCalFlagSuccess	1	0
FuncBumpLimit_Set_BumpEndDenst	3	2
FuncCalLimit_Calc_Cal_BumpLimitDay	2	1
FuncCalLimit_Chk_CalLimitDay	6	4
FuncCalLimit_Chk_CalLimitExpired	2	1
FuncCalLimit_Get_CalLimitExpiredBehavior	1	0
FuncCalLimit_Get_CalLimitOnOff	2	1
FuncCalLimit_Get_ChkCalLimitExpired	1	0
FuncCalLimit_Set_CalEndDenst	3	2
FuncCalLimit_Set_CalStartDenst	3	2
FuncChkMain_Chk_ConfirmEffectiveValue	6	4
FuncChkMain_Chk_SensorTrouble	3	2
FuncChkMain_Chk_ThermistorTrouble	2	1
FuncChkMain_Int_1sec	2	1
FuncChkMain_Set_BakUpBattFailFlg	3	2
FuncChkMain_Set_BattFailFlg	3	2
FuncChkMain_Set_ChkStart	4	3
FuncChkMain_Set_CircuitVoltageFailFlg	3	2
FuncChkMain_Set_ClockFailFlg	3	2
FuncChkMain_Set_FlowFailFlg	3	2
FuncChkMain_Set_FramFailFlg	3	2
FuncChkMain_Set_PumpFailFlg	3	2
FuncChkMain_Set_RamFailFlg	3	2
FuncChkMain_Set_SensorCalFlg	13	3
FuncChkMain_Set_SensorSubstrateFailFlg	3	2

FuncChkMain_Set_SensorTroubleFlg	3	2
FuncChkMain_Set_ThermistorFailFlg	3	2
FuncConfirmationBeep_1sec_interrupt	4	3
FuncConfirmationBeep_Clr_ActiveFlg	3	2
FuncConfirmationBeep_Update_AlarmActiveFlg	7	5
FuncConfirmationBeep_Update_BumpCalActiveFlg	3	2
FuncConfirmationBeep_Update_DownloadActiveFlg	3	2
FuncConfirmationBeep_Update_LimitActiveFlg	7	3
FuncECSensorChk_10msec_Interrupt	11	7
FuncECSensorChk_1sec_Interrupt	10	4
FuncECSensorChk_Set_StartChk	1	0
FuncLunchBreak_Get_LunchBreakFramData	3	2
FuncLunchBreak_Get_LunchBreakOnOff	1	0
FuncLunchBreak_Get_StatusFlg	1	0
FuncLunchBreak_Set_LunchBreakData	8	3
FuncLunchBreak_Set_LunchBreakFramData	7	4
FuncLunchBreak_Set_OnOffFlg	1	0
FuncMainteNotice_Chk_MainteLimitDay	6	4
FuncMainteNotice_Chk_MainteNoticeLimitExpired	2	1
FuncMainteNotice_Get_MainteLimitExpiredBehavior	1	0
FuncMainteNotice_Get_MainteNoticeLimitExpired	1	0
FuncMainteNotice_Get_MainteNoticeOnOff	2	1
FuncMainteNotice_Set_MainteNoticeReset	2	1
FuncMainteNotice_Set_MainteNoticeStart	4	2
FuncMainteNotice_Set_MainteNoticeUpDate	2	1
FuncMarginChk_Calc_SpanMargine	8	3
FuncRamChk_Cyclic_100msecProcess	2	1
FuncRamChk_Set_RamFailFlg	2	1
FuncRamChk_Start_Check	2	1
FuncRamChk_Start_InitRamChk	4	2
FuncRomChk_Chk_EndRomChk	2	1
FuncRomChk_Get_SumNum	1	0
FuncRomChk_process_RomChk	6	3
FuncRomChk_Start_InitRomChk	1	0
FuncRomChk_Start_RomChk	1	0
FuncSDM_Get_CombData	1	0

FuncSDM_Get_ExCommandFlg	1	0
FuncSDM_Set_DispData	4	2
FuncSDM_Set_ExCommandData	1	0
FuncSDM_Set_ExCommandFlg	2	1
FuncTempWarning_10msec_interrupt	6	2
FuncTempWarning_Chk_OutOfRange	9	3
FuncTempWarning_Get_OutOfRangeFlg	2	1
FuncTempWarning_Get_TempBuzzerFlg	1	0
FuncTempWarning_Reset_OutOfRangeBuzzer	2	1
GasCalc_10msec_interrupt	1	0
GasCalc_Calc_Gas_Concentration	6	3
GasCalc_Clear_GasFailFlg	2	1
GasCalc_Clear_HCPeak	2	1
GasCalc_Clear_Peak	3	2
GasCalc_Get_Alarm1hON	3	2
GasCalc_Get_AlarmTwaON	4	3
GasCalc_Get_CombGasON	4	2
GasCalc_Get_Gas_Comb	2	1
GasCalc_Get_GasData_Add	1	0
GasCalc_Get_H2MeasurementFlag	4	3
GasCalc_Get_IDDispON	1	0
GasCalc_Get_ToxicGasON	4	3
GasCalcEC_Back_Linearize_Denst	7	3
GasCalcEC_Calc_Tracking	30	8
GasCalcEC_Get_ECChkStartFlg	1	0
GasCalcEC_Linearize_Denst	7	3
GasCalcEC_Reset_Tracking	1	0
GasCalcEC_Set_ECChkStartFlg	1	0
GasCalcECDenst_AirCal_Denst	2	1
GasCalcECDenst_AutoCal_Denst	4	2
GasCalcECDenst_Calc_Denst	12	2
GasCalcECDenst_Set_SpanMargine	8	2
GasCalcECH2CancelCO_Calc_Denst	27	2
GasCalcECH2CancelCO_Set_AirCal	3	2
GasCalcECH2CancelCO_Set_AutoCal	6	3
GasCalcECH2CancelCO_Set_SpanMargine	10	2

GasCalcECO2_10msec_interrupt	10	5
GasCalcECO2_AirCal_O2Denst	2	1
GasCalcECO2_AutoCal_O2Denst	4	1
GasCalcECO2_Calc_O2Denst	14	2
GasCalcECO2_Set_SpanMargine	5	2
GasCalcNC_10msec_interrupt	4	1
GasCalcNC_AirCal_HCDenst	3	2
GasCalcNC_AutoCal_HCDenst	11	3
GasCalcNC_Calc_NCDenst	21	7
GasCalcNC_Chk_OffNcPower	4	1
GasCalcNC_Chk_SensorFail	4	3
GasCalcNC_Get_LongEnergyFlg	4	1
GasCalcNC_Get_NCProtectionCount	1	0
GasCalcNC_Get_NCProtectionFlg	2	1
GasCalcNC_Get_NCWarmupFlg	2	1
GasCalcNC_Set_NCProtectionFlgOff	2	1
GasCalcNC_Set_SpanMargine	13	2
GasCalcNC_Start_ChkFlg	1	0
GasCalcTbl_Get_RomNum	1	0
GasCalcTbl_Get_SumNum	1	0
GasFuncAir_Calc_1sec_AirCal	21	6
GasFuncAir_Calc_Get_AirCalFlg	1	0
GasFuncAir_Calc_Set_AirCalFlg	5	3
GasFuncAir_Dispatch_Get_AirCalFlg	1	0
GasFuncAir_Dispatch_Set_AirCalFlg	1	0
GasFuncAir_Set_AirCalErrorOff	2	1
GasFuncAutoCal_Calc_1sec_AutoCal	17	4
GasFuncAutoCal_Calc_Get_AutoCalFlg	1	0
GasFuncAutoCal_Calc_Set_AutoCalFlg	6	4
GasFuncAutoCal_Calc_Set_BumpCalFlg	7	5
GasFuncAutoCal_Calc_Set_ComAutoCalFlg	6	4
GasFuncAutoCal_Get_AutoCalGroup	1	0
GasFuncAutoCal_Get_AutoCalSDMSelear	1	0
GasFuncAutoCal_Set_AutoCalErrorOff	2	1
GasFuncAutoCal_Set_AutoCalGroup	1	0
GasFuncAutoCal_Set_AutoCalSDMSelear	1	0

GasFuncAutoCal_Set_ComAutoCalDens	1	0
GasTableData_Init_EepAddress	1	0
GasTableData_Set_Default	2	1
HardwareSetup	1	0
Indicate_Error_LED	2	1
IntervalTimer_Flag_Acquisition_100msec	1	0
IntervalTimer_Flag_Acquisition_250msec	1	0
IntervalTimer_Flag_Set_100msec	1	0
IntervalTimer_Flag_Set_250msec	1	0
IntervalTimer_Int_CMT_Start	1	0
IntervalTimer_Int_CMT_Stop	1	0
IntervalTimer_Int_Timer_CMT0_Op	4	1
key_check	4	1
KeyEvent_Chk_DispPowerOff	3	2
KeyEvent_Chk_KeyPowerOff	3	2
KeyEvent_Get_ForcedPowerOff	1	0
KeyEvent_Get_KeyEvent	1	0
KeyEvent_Get_KeyPort	1	0
KeyEvent_Get_KeyPowerOff	1	0
KeyEvent_Get_ReleaseKeyFlg	1	0
KeyEvent_Get_TimeNum	1	0
KeyEvent_Make_Event	22	6
KeyEvent_no_op_time_set	2	1
KeyEvent_Reset_KeyTime	1	0
KeyEvent_Scan_KeyPort	5	2
KeyEvent_Set_ForcedPowerOff	2	1
KeyEvent_time_set	2	1
LCDMAIN_10msec_interrupt	3	1
LCDMAIN_Clr_DispData	1	0
LCDMAIN_Set_BackLight	9	2
LCDMAIN_Set_BackLightTimer	1	0
LCDMAIN_Set_BattlconDisp	1	0
LCDMAIN_Set_BumpChklconDisp	3	2
LCDMAIN_Set_Com_Discon_count	2	1
LCDMAIN_set_data	1	0
LCDMAIN_Set_HartlconDisp	1	0

LCDMAIN_Set_LongIconDisp	1	0
LCDMAIN_Set_ModelIconDisp	1	0
LCDMAIN_Set_OffBackLight	1	0
LCDMAIN_Set_OnSdmBackLight	1	0
LCDMAIN_Set_PumplIconDisp	2	1
LCDMAIN_Set_TimelIconDisp	1	0
LCDMAIN_start	1	0
LCDMAIN_stop	1	0
LCDNORMAL_all_display_ram	6	2
LCDNORMAL_clr_display_ram	5	2
LCDNORMAL_int_10msec	2	1
LCDNORMAL_Set_BackLight	2	1
LCDNORMAL_set_data	2	1
LCDNORMAL_Set_DispDataUpDATA	2	1
LCDNORMAL_Set_Display_point	1	0
LCDNORMAL_start	1	0
LCDNORMAL_stop	1	0
LCDNormalFont_seg_conv14	3	2
LCDNormalFont_seg_conv7	3	2
LCDNormalShow_Set_7segGasNameDisp	11	3
LCDNormalShow_Set_AlarmCommentDisp	9	1
LCDNormalShow_Set_BattlIconDisp	6	1
LCDNormalShow_Set_BumpChklIconDisp	1	0
LCDNormalShow_Set_CharacterDisp	6	1
LCDNormalShow_Set_DenstDisp	13	2
LCDNormalShow_Set_GasNameDisp	49	4
LCDNormalShow_Set_HartlIconDisp	1	0
LCDNormalShow_Set_LongIconDisp	3	2
LCDNormalShow_Set_MeasurementDisp	15	6
LCDNormalShow_Set_ModelIconDisp	2	1
LCDNormalShow_Set_NoALARMIIconDisp	4	2
LCDNormalShow_Set_PumplIconDisp	4	2
LCDNormalShow_Set_TimelIconDisp	1	0
LED_10msec_Interrupt	2	1
LED_Control_Led_Port	5	1
LED_Get_LightOnOffStatus	2	1

LED_Set_InitRAM	1	0
LED_Set_LightOff	1	0
LED_Set_LightOnTime	2	1
LED_Test_Command	2	1
LoggerGXForce_Chk_1secLoggerRun	8	3
LoggerGXForce_Chk_LoggerDataClear	1	0
LoggerGXForce_Chk_LoggerPowerClear	1	0
LoggerGXForce_Clear_LoggerDataClear	4	2
LoggerGXForce_Clear_LoggerPowerClear	4	2
LoggerGXForce_Clear_PeakClear	1	0
LoggerGXForce_Get_FastBumpDens	2	1
LoggerGXForce_Get_LoggerRun	2	1
LoggerGXForce_Init_Logger	1	0
LoggerGXForce_Periodic_1secConfirm	1	0
LoggerGXForce_Set_AirEvent	1	0
LoggerGXForce_Set BUMPEvent	1	0
LoggerGXForce_Set_FastBumpDens	2	1
LoggerGXForce_Set_LoggerDefault	2	1
LoggerGXForce_Set_LunchFlg	2	1
LoggerGXForce_Set_PowerOff	2	1
LoggerGXForce_Set_PowerOn	1	0
LoggerGXForce_Set_SettingCheck	1	0
LoggerGXForce_Set_SnapShot	1	0
LoggerGXForce_Set_SpanEvent	1	0
LoggerGXForce_Set_StartLoggerInterval	1	0
LoggerGXForce_Set_StopLoggerInterval	2	1
LoggerGXForce_Set_TestData	1	0
LoggerGXForce_Start_LoggerDataClear	1	0
LoggerGXForce_Start_LoggerPowerClear	1	0
Lvd_Cyclic_250msecProcess	3	1
Lvd_Init_Setting	1	0
Lvd_Stop_Setting	1	0
m_alarm1h_op	1	0
m_AsciiDens_proc	2	1
m_bit12AD_To_Average_Buffer	6	5
m_Calc_AbsoluteHumidity	5	2

m_Calc_AverageStelTwa	11	3
m_Calc_BatteryAD	2	1
m_Calc_Denst	7	2
m_Calc_DispDenstData	8	4
m_Calc_ECSpanTempComp	4	2
m_Calc_ECZeroTempComp	4	2
m_Calc_InverseMatrix	9	4
m_Calc_MainteLimitDay	2	1
m_Calc_NC_DiffMode	5	3
m_Calc_NC_OutPutMode	3	2
m_Calc_O2TempComp	1	0
m_Calc_PCSum	2	1
m_Calc_Peak	16	5
m_Calc_RomSum	2	1
m_Calc_TempComp	3	2
m_Change_LinearRaiseBackOp	4	3
m_Change_LinearRaiseOp	3	2
m_Check_AlarmCondition	2	1
m_Check_GasAlarm	30	5
m_Chg_Address_LNG_CHR	1	0
m_Chg_Time	1	0
m_Chg_Time_Value	1	0
m_Chk_AD	10	3
m_Chk_AsciiOnOffDec	2	1
m_Chk_AutoCalGasOn	3	2
m_Chk_BumpLimitFlag	8	5
m_Chk_BumpPermission	5	4
m_Chk_DecOnOffAscii	2	1
m_Chk_DispHCGasSel	6	5
m_Chk_DispMenuItem	13	3
m_Chk_GasCalMenuItem	1	0
m_Chk_MainteMenuItem	2	1
m_Chk_PresenceOfInverseMatrix	11	4
m_Chk_PressureDenst	5	1
m_Chk_Range1stAlarm	3	2
m_Chk_Range2ndAlarm	3	2

m_Chk_Range3rdAlarm	3	2
m_Chk_RangeAlarm	1	0
m_Chk_RangeCalc	1	0
m_Chk_RangeDigitCalc	2	1
m_Chk_RangeFloat	2	1
m_Chk_RangeFSCalc	2	1
m_Chk_RangeNum	2	1
m_Chk_RangeSpanCalc	1	0
m_Chk_RangeStelAlarm	2	1
m_Chk_RangeTwaAlarm	2	1
m_Chk_RangeZeroCalc	1	0
m_Chk_UserMenuItem	4	1
m_cmd_90_proc	3	2
m_cmd_93_proc	3	2
m_cmd_94_proc	9	4
m_cmd_A7_proc	15	2
m_cmd_AF_proc	3	1
m_cmd_AJ_proc	7	2
m_cmd_AM_proc	3	1
m_cmd_AP_proc	3	1
m_cmd_B0_proc	3	1
m_cmd_B7_proc	9	2
m_cmd_B8_proc	9	2
m_cmd_B9_proc	9	2
m_cmd_BJ_proc	3	1
m_cmd_BK_proc	3	1
m_cmd_BL_proc	7	2
m_cmd_BO_proc	4	3
m_cmd_BP_proc	7	2
m_cmd_BS_proc	3	1
m_cmd_BU_proc	3	1
m_cmd_CP_proc	4	2
m_cmd_D2_proc	11	4
m_cmd_D3_proc	7	4
m_cmd_DH_proc	17	6
m_cmd_DN_proc	7	5

m_cmd_DP_proc	8	5
m_cmd_DW_proc	2	1
m_cmd_EF_proc	3	2
m_cmd_EP_proc	3	2
m_cmd_EX_proc	2	1
m_cmd_FB_proc	7	2
m_cmd_G0_proc	9	5
m_cmd_GJ_proc	12	5
m_cmd_GT_proc	3	1
m_cmd_GY_proc	5	2
m_cmd_H1_proc	4	3
m_cmd_H3_proc	4	3
m_cmd_HA_proc	6	3
m_cmd_HC_proc	3	1
m_cmd_HF_proc	4	2
m_cmd_HN_proc	3	1
m_cmd_IN_proc	3	1
m_cmd_JZ_proc	5	2
m_cmd_KW_proc	4	1
m_cmd_LB_proc	5	2
m_cmd_LI_proc	3	2
m_cmd_LJ_proc	7	2
m_cmd_LK_proc	2	1
m_cmd_LP_proc	7	3
m_cmd_LQ_proc	6	3
m_cmd_MO_proc	5	2
m_cmd_MP_proc	5	2
m_cmd_MR_proc	7	2
m_cmd_MX_proc	2	1
m_cmd_MY_proc	4	2
m_cmd_MZ_proc	9	3
m_cmd_OI_proc	7	2
m_cmd_PG_proc	5	2
m_cmd_PN_proc	3	1
m_cmd_PS_proc	6	3
m_cmd_RA_proc	5	3

m_cmd_RC_proc	2	1
m_cmd_ResponsTerm	1	0
m_cmd_RL_proc	3	1
m_cmd_RM_proc	6	1
m_cmd_RO_proc	2	1
m_cmd_S2_proc	19	7
m_cmd_S4_proc	9	2
m_cmd_SA_proc	7	2
m_cmd_SC_proc	3	1
m_cmd_SD_proc	3	1
m_cmd_SG_proc	5	2
m_cmd_SJ_proc	5	2
m_cmd_SM_proc	7	2
m_cmd_SO_proc	4	3
m_cmd_SZ_proc	13	7
m_cmd_U8_proc	5	2
m_cmd_UJ_proc	9	2
m_cmd_US_proc	3	1
m_cmd_UX_proc	4	2
m_cmd_UZ_proc	3	1
m_cmd_VL_proc	2	1
m_cmd_VP_proc	2	1
m_cmd_VQ_proc	2	1
m_cmd_VS_proc	2	1
m_cmd_VT_proc	2	1
m_cmd_VV_proc	2	1
m_cmd_W0_proc	2	1
m_cmd_W8_proc	5	2
m_cmd_W9_proc	5	2
m_cmd_WU_proc	3	2
m_cmd_X8_proc	5	2
m_cmd_XA_proc	3	1
m_cmd_XB_proc	16	2
m_cmd_XC_proc	4	2
m_cmd_XH_proc	2	1
m_cmd_XI_proc	5	2

m_cmd_XL_proc	5	2
m_cmd_XP_proc	3	1
m_cmd_XS_proc	11	4
m_cmd_XT_proc	3	1
m_cmd_XW_proc	5	2
m_cmd_XY_proc	4	2
m_cmd_XZ_proc	11	4
m_cmdBaudRateSet	5	1
m_cmdBlockBlankCheck	5	1
m_cmdBlockErase	5	1
m_cmdChecksum	9	1
m_cmdProgramming_step1	5	1
m_cmdProgramming_step2	8	3
m_cmdProgramming_step3	5	1
m_cmdReset	5	1
m_Cmp_SUM	8	3
m_Comand_Chk	4	3
m_comp_pnt	3	2
m_Comu_Op_Sub	2	1
m_copy_nbyte	1	0
m_Correction_DenstValComp	6	3
m_Correction_ZeroComp	9	3
m_csum_ui16	2	1
m_csum_ui8	2	1
m_cyc_exec	12	4
m_data_check	8	1
m_DenstAscii_proc	2	1
m_Disg_1h	4	2
m_Disg_Light	2	1
m_Disg_MainteData	1	0
m_Disg_MeasData	9	2
m_Disg_Peak	9	5
m_Disg_SnapConcentration	15	4
m_Disg_SnapDateTime	3	2
m_Disg_SnapNoData	1	0
m_Disg_Stel	7	5

m_Disp_Twa	8	6
m_eraseUntilLastBlock	5	2
m_Every_1000msec_Task_A	1	0
m_Every_1000msec_Task_B	2	1
m_Every_1000msec_Task_C	1	0
m_Every_1000msec_Task_D	1	0
m_Every_250msec_TaskA	4	1
m_Every_250msec_TaskB	1	0
m_Every_Time_Task	1	0
m_flash_sector_erase	16	3
m_flash_status	3	2
m_flash_write_enable	1	0
m_ForcedStop_Pressure	6	3
m_fram_alarm_reset_sum_calc	2	1
m_FRAM_AlarmReset_Save	5	1
m_FRAM_AlarmReset_Side_Load	11	3
m_fram_factory_save	5	1
m_FRAM_Factory_Side_Load	11	3
m_fram_factory_sum_calc	2	1
m_fram_id_save	2	1
m_fram_id_save_all	5	1
m_FRAM_LunchBreak_Save	5	1
m_FRAM_LunchBreak_Side_Load	11	3
m_fram_lunchbreak_sum_calc	2	1
m_fram_read	4	2
m_fram_save	5	1
m_FRAM_Side_Load	14	4
m_fram_sum_calc	2	1
m_fram_write	3	1
m_Get_AveAD	2	1
m_Get_ExportControlsNum	3	1
m_Get_Keylo	3	0
m_Get_NC_100msTempComp	1	0
m_Get_NC_SpanHumComp	1	0
m_Get_NC_SpanTempComp	2	1
m_Get_NC_ZeroHumComp	1	0

m_Get_NC_ZeroTempComp	1	0
m_Get_Oscillation_Stop	6	3
m_get_param	22	4
m_Get_PlusTrackingDens	3	1
m_Get_PlusTrackingFlg	3	1
m_Get_RegisterData	1	0
m_Get_SensorAD	4	2
m_Get_SensorFailFlg	5	4
m_Get_SpanAD	2	1
m_Get_SuppressNum	3	1
m_Get_UnitPnt	1	0
m_init_get_param	1	0
m_initialize	13	2
m_io_Buzzer_Set	4	3
m_io_Led_Set	4	1
m_io_Vibration_Set	2	1
m_isLeapYear	4	3
m_isRxACK	2	1
m_judg_BumpTest	12	4
m_judge_request	24	2
m_key_set	28	4
m_lg_alarm	6	2
m_lg_alarm_event	5	3
m_lg_alarm_event_check	25	6
m_lg_alarm_event_data	2	1
m_lg_alarm_event_fit	7	3
m_lg_alarm_event_write	7	3
m_lg_alarm_head	5	3
m_lg_alarm_head_write	3	2
m_lg_alarm_trend_a_check	13	6
m_lg_alarm_trend_b_check	9	4
m_lg_alarm_trend_c_check	3	2
m_lg_alarm_trend_copy	10	3
m_lg_alarm_trend_data	18	5
m_lg_alarm_trend_pad_write	4	2
m_lg_alarm_trend_write	3	2

m_lg_bump_data	2	1
m_lg_calibration_data	3	1
m_lg_calibration_fit	7	3
m_lg_calibration_write	7	3
m_lg_change_header	1	0
m_lg_chmap	4	2
m_lg_clear_alarm_work	2	1
m_lg_clear_wait	1	0
m_lg_code2ppm	1	0
m_lg_concentration	6	3
m_lg_day	15	2
m_lg_DiffTime	3	1
m_lg_fatal	1	0
m_lg_flash_write	2	1
m_lg_full	1	0
m_lg_full_check	5	3
m_lg_gas	10	1
m_lg_gas_invalid	2	1
m_lg_gas_off	5	1
m_lg_gas_result	4	2
m_lg_get_snap_write_pnt	3	2
m_lg_header	4	2
m_lg_header_data	10	2
m_lg_header_plus	3	2
m_lg_info_write	5	2
m_lg_interval_check	9	5
m_lg_interval_event	6	3
m_lg_interval_event_check	2	1
m_lg_interval_event_data	3	1
m_lg_interval_next	6	3
m_lg_interval_pad_write	4	3
m_lg_interval_trend	3	1
m_lg_interval_trend_data	4	1
m_lg_interval_trend_temp	4	1
m_lg_interval_write	11	3
m_lg_now_time	1	0

m_lg_power_event_data	1	0
m_lg_power_event_fit	7	3
m_lg_power_event_write	5	3
m_lg_ppm2code	2	1
m_lg_remain	5	3
m_lg_round	2	1
m_lg_set_error	5	4
m_lg_setting_data	2	1
m_lg_setting_fit	7	3
m_lg_setting_memory	2	1
m_lg_setting_write	5	3
m_lg_snap_data	5	2
m_lg_snap_write	4	2
m_lg_stop_interval	14	3
m_lg_time	1	0
m_lg_time_value	1	0
m_lg_trailer	2	1
m_lg_trailer_data	6	3
m_lg_trend_check	13	4
m_lg_trend_keep_going	2	1
m_lg_trouble_event	5	3
m_lg_trouble_event_check	44	7
m_lg_trouble_event_data	7	1
m_lg_trouble_event_fit	7	3
m_lg_trouble_event_write	7	3
m_lg_unset_error	1	0
m_lg_wait	1	0
m_Linearise_H2CancelCO	7	2
m_O2WarmUp_Port_Term	2	1
m_Peak_Pressure	4	2
m_Read_DateAndTime	4	2
m_reqRx	3	1
m_reqRx_DataFram	2	1
m_reqTx	3	1
m_reqTx_CmdFrame	2	1
m_reqTx_DataFrame	4	1

m_restartComDrv	1	0
m_Rtc_Writ_VerifyCheck	11	2
m_Rxd_Sum_Chk	6	2
m_Rxd_Sum_Chk	6	2
m_SCI9_Code_DU	3	2
m_SCI9_Code_HA	6	3
m_SCI9_Code_RC	3	2
m_SCI9_Code_VP	3	2
m_SCI9_Code_VS	11	4
m_Select_CalBumpData	13	4
m_Select_CalBumpData	13	4
m_sendComMethodData	4	2
m_Set_AutoCalDensit	4	2
m_Set_BeepEvent	12	5
m_Set_BumpResult	2	1
m_Set_ECSensorChk	3	1
m_Set_Err	12	5
m_Set_FailCode	1	0
m_Set_GasAlarmFlg	3	1
m_Set_LedLightPort	2	1
m_Set_NC_Densit	25	4
m_Set_NC_OffMode	1	0
m_Set_NciActiveFlg	5	4
m_Set_RegisterData	1	0
m_set_send_receive_delay	3	2
m_set_send_receive_flg	1	0
m_set_send_receive_init_flg	1	0
m_Set_Start_Command	1	0
m_Set_StartInitialChk	2	1
m_Start_Pressure	2	1
m_stel_op	4	2
m_Stop_Pressure	1	0
m_twa_op	1	0
m_Txd_Busy	1	0
m_Txd_Busy	1	0
m_Txd_Start	1	0

m_Txd_Start	1	0
m_Txd_Sum_Calc	2	1
m_Txd_Sum_Calc	2	1
m_ui2uc	2	1
m_updateWaitTime	5	2
m_wait	2	1
m_Wait_Spi_Send_Time	3	2
m_waitForRxComplete	3	2
m_Writ_CircuitSetting	1	0
m_Writ_DateAndTime	5	1
m_write_and_check_fram	9	3
m_write_id_data_fram	1	0
m_write_normal_disp_data	51	4
m_write_setting_fram	3	1
main	2	1
MAIN_Get_PowerOffFlg	1	0
MAIN_Get_RomNum	1	0
MAIN_Get_RomVer	1	0
MAIN_Get_SumNum	1	0
MAIN_Get_UpdateModeFlg	1	0
Main_Process	12	3
MAIN_Set_ForcedPowerOffFlg	1	0
Main_Set_Power_OFF	8	5
Main_Set_Power_ON	1	0
MAIN_Set_PowerOffFlg	1	0
MAIN_Set_UpdateFlg	1	0
MAIN_Set_UpdateModeFlg	1	0
O2WarmUp_Func_main	5	1
O2WarmUp_Get_AD_data	1	0
O2WarmUp_Get_WarmFlg	1	0
O2WarmUp_Interval_10msec	7	3
O2WarmUp_Set_AD	5	3
O2WarmUp_Set_Init	1	0
O2WarmUp_Set_InitRAM	1	0
Port_Get_UsbPort_isOn	2	1
Port_Init_Setting	1	0

PowerON_Reset_PC	1	0
Pressure_Change_Device0OutPut	1	0
Pressure_Get_FlowValue	1	0
Pressure_Init_Process	1	0
Pressure_Start_Device	1	0
Pressure_Stop_Device	1	0
Pump_Control_PumpMove	6	4
Pump_Get_Phase_isNormalOrEnd	2	1
Pump_Init_Process	1	0
PumpFlow_Check_FlowTest	3	2
PumpFlow_Check_PumpTest	1	0
PumpFlow_Check_PurgeActive	4	3
PumpFlow_Control_DriveMode	6	3
PumpFlow_Cyclic_250msec	3	2
PumpFlow_Default_Device	1	0
PumpFlow_Get_BoostCheck_isRetry	1	0
PumpFlow_Get_DropOutPut	1	0
PumpFlow_Get_FlowOutPut	1	0
PumpFlow_Get_LoHiFlag_isHi	1	0
PumpFlow_Get_MotionFlag_isMove	1	0
PumpFlow_Get_PumpFailPressValue	1	0
PumpFlow_Get_PumpOffPressValue	1	0
PumpFlow_Get_SettingData	1	0
PumpFlow_Init_Process	1	0
PumpFlow_Set_FlowOutPut	1	0
PumpFlow_Set_LoHiRequest_isHi	2	1
PumpFlow_Set_MotionRequest_isMove	2	1
PumpFlow_Set_SettingData	1	0
PumpFlow_Set_SettingDefaultData	1	0
PumpFlow_Start_Device	1	0
PumpFlow_Stop_Device	1	0
r_access_exception	1	0
r_brk_exception	1	0
R_CGC_Create	6	1
r_cmt_cmi0_interrupt	6	1
R_CMT0_Create	1	0

R_CMT0_Start	1	0
R_CMT0_Stop	1	0
r_floatingpoint_exception	1	0
R_LVD1_Create	1	0
R_LVD1_Start	2	1
R_LVD1_Stop	1	0
R_MAIN_UserInit	1	0
R_MTU2_C2_Start	1	0
R_MTU2_C2_Stop	1	0
R_MTU2_Create	1	0
r_mtu2_tgia2_interrupt	1	0
r_nmi_exception	1	0
R_PORT_Create	1	0
r_privileged_exception	1	0
R_R12DA_Create	1	0
R_R12DA0_Set_ConversionValue	1	0
R_R12DA0_Start	1	0
R_R12DA0_Stop	1	0
r_reserved_exception	1	0
r_rspi0_callback_error	1	0
r_rspi0_callback_receiveend	1	0
r_rspi0_callback_transmitend	1	0
R_RSPIO_Create	1	0
r_rspi0_error_interrupt	4	2
r_rspi0_idle_interrupt	1	0
r_rspi0_receive_interrupt	4	3
R_RSPIO_Send_Receive	2	1
R_RSPIO_Send_Receive_Copy	4	3
R_RSPIO_Start	1	0
R_RSPIO_Stop	1	0
r_rspi0_transmit_interrupt	3	2
R_S12AD_Create	1	0
R_S12AD_Get_ValueResult	29	1
r_s12ad_interrupt	1	0
R_S12AD_Start	1	0
R_S12AD_Stop	1	0

r_sci5_callback_receiveend	1	0
r_sci5_callback_receiveerror	1	0
r_sci5_callback_transmitend	1	0
R_SCI5_Create	1	0
r_sci5_receive_interrupt	1	0
r_sci5_receive_interrupt	1	0
r_sci5_receiveerror_interrupt	1	0
r_sci5_receiveerror_interrupt	1	0
R_SCI5_Serial_Receive	2	1
R_SCI5_Serial_Send	2	1
R_SCI5_Start	1	0
R_SCI5_Stop	1	0
r_sci5_transmit_interrupt	1	0
r_sci5_transmit_interrupt	1	0
r_sci5_transmitend_interrupt	1	0
r_sci5_transmitend_interrupt	1	0
r_sci6_callback_receiveend	1	0
r_sci6_callback_transmitend	1	0
R_SCI6_Create	1	0
R_SCI6_IIC_Master_Receive	2	1
R_SCI6_IIC_Master_Send	2	1
R_SCI6_IIC_StartCondition	1	0
R_SCI6_IIC_StopCondition	1	0
r_sci6_receive_interrupt	2	1
R_SCI6_Start	1	0
R_SCI6_Stop	1	0
r_sci6_transmit_interrupt	6	3
r_sci6_transmitend_interrupt	5	2
r_sci9_callback_receiveend	2	1
r_sci9_callback_receiveerror	1	0
r_sci9_callback_transmitend	2	1
R_SCI9_Create	1	0
r_sci9_receive_interrupt	3	2
r_sci9_receiveerror_interrupt	1	0
R_SCI9_Serial_Receive	2	1
R_SCI9_Serial_Send	2	1

R_SCI9_Start	1	0
R_SCI9_Stop	1	0
r_sci9_transmit_interrupt	2	1
r_sci9_transmitend_interrupt	1	0
R_Systeminit	1	0
r_undefined_exception	1	0
R_WDT_Restart	1	0
RefVolt_Cyclic_250msec	2	1
RefVolt_Init_HcvCheckDisableFlg	1	0
RefVolt_Set_HcvCheckDisableFlg	1	0
RL78FProg_execTargetPowerOff	1	0
RL78FProg_rewriteBlock	12	2
RL78FProg_setStartBlock	4	1
RL78FProg_startRewritingProg	4	2
RL78I1EControl_10msec_interrupt	2	1
RL78I1EControl_Calc_H2CancelCOAdAverage	3	2
RL78I1EControl_Calc_H2CancelCOAdSUB	2	1
RL78I1EControl_Calc_Temp	5	2
RL78I1EControl_Chk_TempError	3	2
RL78I1EControl_Command_250_Loop	7	4
RL78I1EControl_Command_Control	10	4
RL78I1EControl_Command_ReSet	1	0
RL78I1EControl_Get_Data_point	1	0
RL78I1EControl_Get_MainData_point	1	0
RL78I1EControl_Set_Control_Status	5	3
RL78I1EControl_Set_Gas_Status	1	0
RL78I1EControl_Set_ROM_NUM	1	0
RL78I1EControl_Set_ROM_SUM	1	0
RL78I1EControl_Set_ROM_VER	1	0
RL78I1EControl_Start_ChkFlg	1	0
RL78I1ESumChk_10msec_interrupt	3	2
RL78I1ESumChk_Chk_4Count	3	2
RL78I1ESumChk_Get_PhaseFlg	1	0
RL78I1ESumChk_Set_PhaseEnd	1	0
RL78I1ESumChk_Set_PhaseOFF	1	0
RL78I1ESumChk_Set_PhaseWait	1	0

RL78I1ESumChk_Set_Start	2	1
RSPI_count_down	2	1
RSPI_Int_Start	1	0
RSPI_Int_Stop	1	0
RSPI_Send_Receive	3	2
RSPI_write_chk_off	1	0
RTC_DateAndTime_Config	2	1
RTC_DateAndTime_Set_OnOffFlg	1	0
RTC_Get_Data	1	0
RTC_Read_DateAndTime	1	0
RTC_Start_Up	7	3
RTCTime_Chg_Day	15	2
RTCTime_Chk_Day	9	1
RTCTime_Chk_LeapYear	4	3
RTCTime_Chk_Time_Error	3	2
SCI5UartMain_Comu_Op	2	1
SCI6IIC_count_delay_time	2	1
SCI6IIC_Int_Sci6_Receive	2	1
SCI6IIC_Int_Sci6_Send	2	1
SCI6IIC_Int_Sci6_Send_Init_LCD	2	1
SCI6IIC_Int_Sci6_Send_LCD	1	0
SCI6IIC_Int_Sci6_Start	1	0
SCI6IIC_Int_Sci6_Stop	1	0
SCI6IIC_set_send_receive_end_flg	1	0
SCI9UartCommand_Command_Op	6	1
SCI9UartCommand_Get_Cmd_NUM	1	0
SCI9UartCommand_Get_Comnd_Data	1	0
SCI9UartCommand_Get_Comnd_Pointer	1	0
SCI9UartCommand_Send_DUW	5	0
SCI9UartCommand_Send_HAW	9	1
SCI9UartCommand_Send_RCR	1	0
SCI9UartCommand_Send_VPR	1	0
SCI9UartCommand_Send_VSC	1	0
SCI9UartCommand_Send_VSR	1	0
SCI9UartCommand_Send_VSW	1	0
SCI9UartMain_Comu_Op	2	1

SCI9UartMain_Err_Op	1	0
SCI9UartMain_Get_Rxd_Data	3	1
SCI9UartMain_Head_Set	2	1
SCI9UartMain_Int_Sci9_Start	1	0
SCI9UARTMain_Int_Sci9_Stop	1	0
SCI9UartMain_Set_Rxd_Next_Buf	1	0
SCI9UartMain_tx_nbyte	1	0
SCI9UartMain_Txd_Buf_Pointre	1	0
SelfMain_10msec_interrupt	1	0
SelfMain_1msec_interrupt	1	0
SelfMain_Set_AccessWindow	4	1
SelfMain_start_UpDate	3	1
SelfSubProg_Get_10msecChgFlg	1	0
SelfSubProg_Get_ModeOnFlg	1	0
SelfSubProg_Int_10msec	2	1
SelfSubProg_Main_RewriteProcessing	11	5
SelfSubProg_Set_ModeOnFlg	1	0
SelfSubProg_Set_RewiteStart	1	0
str_set_uw_hex	5	3
Tool_Asc_BinL	5	2
Tool_Asc_Dec	4	2
Tool_Asc_Hex	9	5
Tool_Asc_Hex	9	5
Tool_Bin_Asc	1	0
Tool_CHR_Chg_OnOff	2	1
Tool_Comp_Pnt	3	2
Tool_Comp_Pnt	3	2
Tool_Copy_Pnt	2	1
Tool_Copy_Pnt	2	1
Tool_Copy_Reverse_Pnt	2	1
Tool_Copy_SHORT_CHR	2	1
Tool_Copy_SHORT_Pnt	2	1
Tool_Disp_OnOff_Menu	3	1
Tool_Dump_Hex_Asc	9	3
Tool_Hex_Asc	9	3
Tool_Hex_Asc	9	3

Tool_Hex_ShortAsc	9	3
Tool_OneCount	12	5
Tool_set_Dec_ChrAscii	12	3
Tool_set_Dec_ChrSymbolAscii	2	1
Tool_set_Dec_DenstAscii	7	2
Tool_set_Dec_DenstShortAscii	7	2
Tool_set_Dec_ShortAscii	12	3
UartSci5_Get_Rxd_Data	1	0
UartSci5_Get_TransmitEnable	1	0
UartSci5_Init_Setting	1	0
UartSci5_Int_Sci5_Start	1	0
UartSci5_Int_Sci5_Stop	1	0
UartSci5_Interrupt_Sci5Error	1	0
UartSci5_Interrupt_Sci5SendEnd	1	0
UartSci5_Send_Data	3	2
UartSci5_Set_Rxd_Next_Buf	1	0
UartSci5_Start_Driver	1	0
UpdaterCommand_Command_Proc	6	3
UpdaterCommand_Rxd_Sum_Chk_isFault	10	4
UpdaterCommand_Txd_Sum_Calc	2	1
UpdaterMain_Change_Mode_isFault	1	0
UpdaterMain_Control_LED	4	1
UpdaterMain_End_FW_Update_isFault	5	3
UpdaterMain_Interrupt_10msec	3	2
UpdaterMain_Set_LEDMode	1	0
UpdaterMain_Set_ResetFlg	1	0
UpdaterMain_Start_FW_Update_isFault	3	2
UpdaterMain_Startup	1	0
UpdaterMain_Update_FW_isFault	2	1
UpdaterPort_Get_KeyPort_isOn	3	1
UpdaterPort_Set_LcdPort_isOn	3	1
UpdaterPort_Set_LedPort	5	1
UpdaterPort_Set_PowerHold	2	1
UpdaterUART_Callback_Recieve	8	3
UpdaterUART_Comu_Op	2	1
UpdaterUART_Get_92W_Flg_isOn	1	0

UpdaterUART_Get_TXDStatus	1	0
UpdaterUART_Set_Rxd_Next_Buf	1	0
UpdaterUART_Start	1	0
UpdaterUART_Stop	1	0
UpdaterWDT_Restart_Timer	1	0
USBCom_Cmd_Proc	8	3
VIBRATION_Control_VIB_Port	2	1
ZIPCNumSet_Chk_AirFail	3	2
ZIPCNumSet_Chk_AutoCal_EscNum	2	1
ZIPCNumSet_Chk_DemandZero_onoff	1	0
ZIPCNumSet_Chk_SensorAllInitFailFlg	4	2
ZIPCNumSet_Chk_SpanCalFail	4	3
ZIPCNumSet_Get_AlarmFlg	4	3
ZIPCNumSet_Get_AlarmManDownFlg	2	1
ZIPCNumSet_Get_AlarmPattern	1	0
ZIPCNumSet_Get_AutoZeroFlg	1	0
ZIPCNumSet_Get_DispFlicker2	1	0
ZIPCNumSet_Get_DispFlicker3	1	0
ZIPCNumSet_Get_DispFlicker4	1	0
ZIPCNumSet_Get_FailFlg	12	2
ZIPCNumSet_Get_GasTestFlg	1	0
ZIPCNumSet_Get_NotManDownFlg	2	1
ZIPCNumSet_Get_SensorInitFailFlg	4	2
ZIPCNumSet_Get_ZipcModeNum	6	1
ZIPCNumSet_Get_ZipcNumAddress	1	0
ZIPCNumSet_Int_1sec	5	2
ZIPCNumSet_mainte_pass_onoff	1	0
ZIPCNumSet_pass_protect_onoff	1	0
ZIPCNumSet_Reset_InitPossibleResetFailFlg	1	0
ZIPCNumSet_Reset_PossibleResetFailFlg	1	0
ZIPCNumSet_Select_ZipcNumUpDown	11	2
ZIPCNumSet_Set_GasTestFlg	1	0
ZIPCNumSet_user_pass_onoff	1	0

07245(Sensor MCU)

Function name	Cyclomatic	Nesting
Ad24bit_Ad_Ave_Op	7	2
Ad24bit_bit24AD_Conversion	1	0
Ad24bit_Get_NC_Count	1	0
Ad24bit_Get_NcDiffVolt	1	0
Ad24bit_Int_Ad_Start	2	1
Ad24bit_Int_Adc	3	2
Ad24bit_Nc_Ad_CalcAverage	5	2
Ad24bit_Set_AD	5	1
Ad24bit_Set_InitRAM	8	2
ECSENSOR_Calc_AD_Main	2	1
ECSENSOR_Fixed_PGA1_Flg	3	2
ECSENSOR_Get_Chk_Status	3	1
ECSENSOR_Get_Difference_AD	1	0
ECSENSOR_Interval_Connect_Chk	6	3
ECSENSOR_Not_Use_Flg	3	2
ECSENSOR_Set_AD_Connect_Chk	2	1
ECSENSOR_Set_InitRAM	4	2
ECSENSOR_Start_ConnectChk	3	2
f_Check_CopyRam	2	1
f_Check_MainRam	5	2
f_Cyclic_CheckProcess	8	2
f_Cyclic_CheckProcessMainPhase	3	1
f_Cyclic_CheckProcessSubPhase	2	1
f_Init_MainRam	1	0
FuncRamChk_Cyclic_250msecProcess	1	0
FuncRamChk_Start_Check	2	1
FuncRamChk_Start_InitRamChk	4	2
hdwinit	1	0
IntervalTimer_Flag_Acquisition_250msec	1	0
IntervalTimer_Flag_Set_250msec	1	0
IntervalTimer_Int_Timer_Op	3	2
IntervalTimer_Set_InitRAM	1	0
LVD_Cyclic_250msecProcess_isFault	3	1
LVD_Set_InitRAM	1	0

m_bit24AD_Acquisition	1	0
m_bit24AD_Channel_Check	5	1
m_bit24AD_Chk_ChangePGA	7	4
m_bit24AD_Chk_minus	2	1
m_bit24AD_Set_PGAREgister	1	0
m_bit24AD_To_buffer	9	1
m_Comand_Chk	4	3
m_Comu_Op_Sub	2	1
m_rom_sum_calc	2	1
m_Rxd_Sum_Chk	6	2
m_SAU_Code_DU	3	1
m_SAU_Code_DUR	2	1
m_SAU_Code_DUW	6	2
m_SAU_Code_HA	3	1
m_SAU_Code_HAR	2	1
m_SAU_Code_HAW	13	2
m_SAU_Code_RC	2	1
m_SAU_Code_RCR	1	0
m_SAU_Code_VP	2	1
m_SAU_Code_VPR	1	0
m_SAU_Code_VS	4	1
m_SAU_Code_VSC	2	1
m_SAU_Code_VSR	1	0
m_SAU_Code_VSW	2	1
m_Set_AD_Buf_Clr	2	1
m_Set_EcChk_Port	3	2
M_Set_Element_Port	3	1
m_Set_NcProtectionFlg	4	3
m_Txd_Busy	1	0
m_Txd_Start	1	0
m_Txd_Sum_Calc	2	1
main	2	1
Main_250msecCyclic_24hCheckCount	2	1
Main_Get_FailStatus	1	0
Main_Get_Gas_Setting	1	0
Main_Process	8	3

Main_Set_Gas_Setting	2	1
NcSensor_Element_Count	23	3
NcSensor_Get_Long_Energy	1	0
NcSensor_Get_Protection	1	0
NcSensor_Reading_Element_Flg	1	0
NcSensor_Set_InitRAM	1	0
NcSensor_Set_Long_Energy	2	1
NcSensor_Set_Protection	2	1
NcSensor_Set_ProtectionPermissionFlg	2	1
NcSensor_Set_Warmup	2	1
R_CAMP_Create	2	1
R_CAMP0_Start	2	1
R_CAMP1_Start	2	1
R_CGC_Create	1	0
R_CGC_Get_ResetSource	1	0
R_IT_Create	1	0
r_it_interrupt	1	0
R_IT_Start	1	0
R_IT_Stop	1	0
R_LVI_Create	1	0
r_lvi_interrupt	1	0
R_MAIN_UserInit	1	0
R_PGA_DSAD_CAMP_OffsetTrimming	12	3
R_PGA_DSAD_Create	3	1
R_PGA_DSAD_Get_AverageResult	1	0
R_PGA_DSAD_Get_Result	1	0
r_pga_dsad_interrupt_conversion	1	0
R_PGA_DSAD_Start	1	0
R_PGA_DSAD_Stop	1	0
R_PORT_Create	1	0
R_SAU0_Create	1	0
R_Systeminit	1	0
r_uart0_callback_error	1	0
r_uart0_callback_receiveend	1	0
r_uart0_callback_sendend	1	0
r_uart0_callback_softwareoverrun	1	0

R_UART0_Create	1	0
r_uart0_interrupt_error	1	0
r_uart0_interrupt_receive	3	2
r_uart0_interrupt_send	2	1
R_UART0_Receive	2	1
R_UART0_Send	2	1
R_UART0_Start	1	0
R_UART0_Stop	1	0
R_WDT_Create	1	0
r_wdt_interrupt	1	0
R_WDT_Restart	1	0
ROMCHK_Get_SUM_NUM	1	0
ROMCHK_Get_SUMChkflg	1	0
ROMCHK_Process	6	2
ROMCHK_Set_SUMChkflg_Start	1	0
Tool_Asc_Hex	9	5
Tool_Bin_Asc	1	0
Tool_Comp_Pnt	3	2
Tool_Copy_Pnt	2	1
Tool_Hex_Asc	9	3
UartSAUCommand_Command_Op	6	1
UartSAUCommand_Get_Cmd_NUM	1	0
UartSAUCommand_Get_Comnd_Data	1	0
UartSAUCommand_Get_Comnd_Pointer	1	0
UARTSAUMAIN_Comu_Op	2	1
UartSAUMain_Err_Op	1	0
UARTSAUMAIN_Get_Rxd_Data	5	1
UartSAUMain_Head_Set	2	1
UartSAUMain_Rxd_Buf_Pointre	1	0
UARTSAUMAIN_Set_InitRAM	4	1
UARTSAUMAIN_Set_Rxd_Next_Buf	1	0
UartSAUMain_tx_nbyte	1	0
UartSAUMain_Txd_Buf_Pointre	1	0