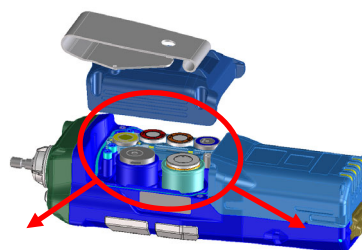
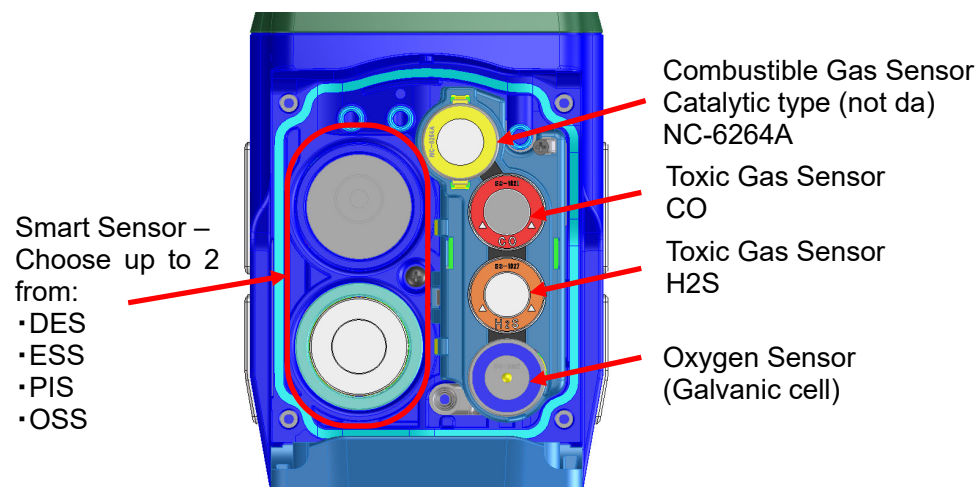


Comparison of sensors in GX-6000 and GX-6100

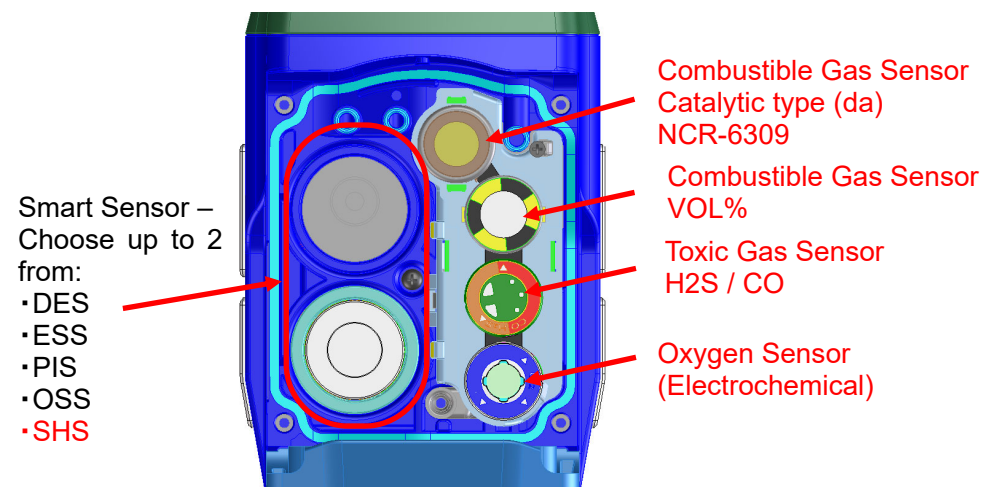
- Both GX-6000 and GX-6100 can have a maximum of 6 sensors to be installed.
- Because the combustible sensor for GX-6000 is a catalytic sensor, only IIB is complied. A different sensor will be used in GX-6100 so as to comply IIC. The same sensor used in GX-Force will be installed in GX-6100.
ialIIB → daialIC = Main purpose of the development of GX-6100
- Sensors for measurement of O₂ and toxic gases such as CO and H₂S will be replaced by our improved R sensors. The same sensor used in GX-Force will be installed in GX-6100.
- A thermal conductivity sensor (non-catalytic) which can measure the VOL% range of combustible gas will be additionally installed in GX-6100. The same sensor used in GX-2012 will be installed in GX-6100.
- For GX-6000, it was possible to install a maximum of 2 Smart Sensors (DES, ESS, PIS, OSS). For GX-6100, in addition to these available sensors, a thermal conductivity sensor (non-catalytic) which measures the ppm range of combustible gas will be added to make a choice of 5 sensors out of which up to 2 sensors can be installed. The same sensor used in SP-220 will be installed in SHS.




















GX-6000



GX-6100



Sensors in red indicate that they are different from those in GX-6000. However, they have had Ex in the previous products.

		GX-6000				GX-6100				
		Measuring gas	Sensor type	Detection principle	Form	Measuring gas	Sensor type	Detection principle	Form	Ex. model Cert.No.
Standard four gas	1	Combustible gas (LEL)	NC-6264A	Catalytic Combustion		Combustible gas (LEL)	R-sensor NCR-6309	Catalytic Combustion [da]		GX-Force IECEX DNV 22.0029X DNV 22 ATEX 05201X
	2	Oxygen (O2)	Oxygen Sensor	Galvanic cell		Oxygen (O2)	R-sensor 3EC	Electro Chemical		GX-Force IECEX DNV 22.0029X DNV 22 ATEX 05201X
	3	Hydrogen Sulfide (H2S)	Toxic gas Sensor	Electro Chemical		Hydrogen Sulfide / Carbon Monoxide (H2S / CO)	R-sensor 4EC	Electro Chemical		GX-Force IECEX DNV 22.0029X DNV 22 ATEX 05201X
	4	Carbon Monoxide (CO)	Toxic gas Sensor	Electro Chemical		Combustible gas (VOL%)	TE-7561	Thermal Conductivity		GX-2012 IECEX DEK 11.0045 DEKRA 11 ATEX 0123
Smart Sensor	5	VOC	Smart Sensor TYPE-PIS	PID		VOC	Smart Sensor TYPE-PIS	PID		GX-6000 IECEX PRE 15.0011 Presafe 15 ATEX 6171X
	6	Toxic gases	Smart Sensor TYPE-ESS	Electro Chemical		Toxic gases	Smart Sensor TYPE-ESS	Electro Chemical		GX-6000 IECEX PRE 15.0011 Presafe 15 ATEX 6171X
	7	Carbon Dioxide (CO2) or Combustible gas	Smart Sensor TYPE-DES	NDIR		Carbon Dioxide (CO2) or Combustible gas	Smart sensor TYPE-DES	NDIR		GX-6000 IECEX PRE 15.0011 Presafe 15 ATEX 6171X
	8	Oxygen (O2)	Smart Sensor TYPE-OSS	Galvanic cell		Oxygen (O2)	Smart Sensor TYPE-OSS	Galvanic cell		GX-6000 IECEX PRE 15.0011 Presafe 15 ATEX 6171X
	9	-	-	-	-	Combustible gas (ppm)	Smart Sensor TYPE-SHS*	Semi Conductor		SP-220 IECEX PRE 15.0060 Presafe 15 ATEX 7188X

* The SH-8661 sensor is installed inside the SHS sensor.