







"Mini" Multi-Gas Detector XA-900 Series

Type of Gas Detected		Detection Principle			
 Combustible gas	 Oxygen concentration	 Toxic gas	 Catalytic combustion sensor	 Galvanic cell sensor	 Electrochemical cell sensor



Features

- A range of gas variations are possible by combining detected gases. Fifteen combination patterns are possible.
- Long service life has been achieved through greatly reduced power requirements. No need to change batteries for 48 hours when using combinations with combustible gases, or for 2,000 hours when using combinations without combustible gases.

Options

Pump Unit

- Used as a Extractive type when connected to "Mini" Multi-gas Detector XA-900 series (for one gas and two gases only).

Throw-in Set

- Can be used to detect gas in pits or manholes (for one gas and two gases only).

Specifications

Gas Detected	Combustible gas (methane or isobutane)	Oxygen	Hydrogen sulfide	Carbon monoxide
Detection Principle	Catalytic combustion	Galvanic cell	Electrochemical cell	Electrochemical cell
Detection Range	0-100%LEL (1%LEL resolution)	0-25.0vol% (0.1vol% resolution)	0-30.0ppm (0.5ppm resolution)	0-300ppm (5ppm resolution)
Indication Accuracy *1	±10% of full scale value	±0.5vol%	±5% of full scale value	±10% of full scale value (1-150ppm)
Alarm Set Value	1st stage: 10%LEL 2nd stage: 25%LEL	Lower limit: 18.0vol% Upper limit: 25.0vol%	1st stage: 10.0ppm 2nd stage: 20.0ppm	1st stage: 50ppm 2nd stage: 150ppm
Alarm Accuracy *1	±25% of Set Value	±1.0vol%	±30% of Set Value	±30% of Set Value
Response Time	30s or less (90% response)	20s or less (90% response)	30s or less (90% response)	30s or less (90% response)
Concentration Indication	3-digit LCD (When two gases are selected, the concentrations are displayed alternately in every five seconds.)			
Alarm Indication	1st stage: Intermittent buzzer and LCD "AL" part flashing 2nd stage: Continuous buzzer and LCD "AL" part lighting			
Power Source	3×AA (R6) alkaline dry cells			
Battery Life *2	Combustible gas combined : Up to 48 hrs (by alkaline cells) Combustible gas NOT combined : Up to 2000 hours (by alkaline cells)		Battery remaining indication : 4-level display in LCD "BATT." part Low battery : Intermittent buzzer and LCD "BATT." part flashing	
Additional Functions	Gas concentration peak hold function, Auto-zero function (except oxygen), Earphone terminal			
Explosion-Proof Structure	Ex iad IIC T4 (with combustible gas) Ex ia IIC T4 (without combustible gas)			
Operating Temperature Range	-10 to 40°C			0 to 40°C
Dimensions/Weight	W56 × H121 × D32mm (excluding protrusions) Approx. 165g (excluding batteries)			

*1 Under identical conditions.

*2 Battery life may vary with ambient conditions, conditions of use, storage period, battery manufacturers, etc.

"Mini" Type List

Gas Detected	Diffusion	Extractive
Combustible gas	XA-911	XP-911
Oxygen	XA-912	XP-912
Hydrogen sulfide	XA-913H	XP-913H
Carbon monoxide	XA-913C	XP-913C
Combustible gas/Oxygen	XA-927	XP-927
Combustible gas/Hydrogen sulfide	XA-924H	XP-924H
Combustible gas/Carbon monoxide	XA-924C	XP-924C
Oxygen/Hydrogen sulfide	XA-925H	XP-925H
Oxygen/Carbon monoxide	XA-925C	XP-925C
Hydrogen sulfide/Carbon monoxide	XA-926	XP-926
Combustible gas/Oxygen/Hydrogen sulfide	XA-936H	—
Combustible gas/Oxygen/Carbon monoxide	XA-936C	—
Combustible gas/Hydrogen sulfide/Carbon monoxide	XA-937	—
Oxygen/Hydrogen sulfide/Carbon monoxide	XA-938	—
Combustible gas/Oxygen/Hydrogen sulfide/Carbon monoxide	XA-948	—

Types printed in bold characters have an explosion-proof structure.