Multi-Gas Detectors

Oxygen/Combustible Gas/Hydrogen Sulfide/Carbon Monoxide

XP-302M

Type of Gas Detected			Detection Principle		
Combustible gas	O₂ Oxygen concentration	Toxic gas	Catalytic combustion sensor	Galvanic cell sensor	Electrochemical cell sensor

Features

● **Compact and Lightweight.**
● **Large, blight display with auto-backlight.**
● **4 gas simultaneous gas display.**

Specifications

Model		XP-302M			
Gases detected		Combustible Gas (Methane)	Oxygen	Hydrogen Sulfide	Carbon Monoxide
Detection Principle		Catalytic combustion	Galvanic cell	Electrochemical cell	Electrochemical cell
Gas sampling method		Sample-draw by internal electric sampling pump			
Measuring range (Service range)		0-100%LEL	0-25.0vol% (25.1-50.0vol%)	0-30.0ppm (30.1-150ppm)	0-150ppm (151-300ppm)
Accuracy (Repeatability)*¹		< ±5%LEL	< ±0.5vol%	< ±1.5ppm	< ±10ppm to 100ppm
					< ±15ppm to 150ppm
Alarm set points	Level 1	10%LEL	19.5vol%	10.0ppm	50ppm
	Level 2	30%LEL	18.0vol%	15.0ppm	100ppm
Response time*²	with a 1m sampling hose	< 25 sec.	< 20 sec.	< 30 sec.	< 30 sec.
	with an 8m sampling hose	< 40 sec.			
Operating temperature & humidity		−10 to 40℃, 95% RH (non-condensing)			
Battery type		4 × AA Alkaline			
Display		A large LCD with backlight provides simultaneous and continuous readout of all gases being monitored. 3 user-selectable display modes (standard display / graphic display / English display).			
Alarms		90＋ dB buzzer, flashing LCD and warning lamp			
Operating hours*³		8＋ hours on 4 × AA alkaline cells (20℃, no alarm, no backlight and datalogging OFF)			
Safety design		Intrinsically safe design Exibd Ⅱ BT3			
Functions		•Automatic backlight (in dim light or alarm condition) •Zero adjustment •Peak hold •Buzzer control •Low flow alarm •Datalogging function (up to 150 hours) •Buzzer stop •Alarm test •Display of remaining battery level, current time and temperature			
Demensions		Approx. W152 × H152 × D42 mm			
Weight		Approx. 870g			
Standard accessories	XP-302M-□-1◆	1m sampling hose (Probe with filter/moisture trap, Spare filters) Soft case			
	XP-302M-□-2◆	8m sampling hose (with float), Soft case and carrying case			
	XP-302M-□-3◆	Aluminum case*⁴, 8m sampling hose (with float), An external alarm (with 8m cable) and AC adaptor			
	XP-302M-□-4◆	Aluminum case*⁴, 8m sampling hose with hose reel (with float), An external alarm with a cable reel (with 8m cable) and AC adaptor			
Optional Accessories*⁵		•Log data download software (for Windows 2000 or XP) •20m sampling hose for float •30m sampling hose for float			

◆ Ordering information

Model **XP-302M-□-□** Specification code
— Choose one from A – C — Choose one from 1 – 4

| A	4 gases (Combustible, Oxygen, Hydrogen sulfide, Carbon monoxide)
B	3 gases (Combustible, Oxygen, Hydrogen sulfide)
C	3 gases (Combustible, Oxygen, Carbon monoxide)

※ Combustible : Methane

＊1 Under identical conditions ＊2 T90 ＊3 It depends on the environmental conditions, service conditions, storage period, and battery manufacturers
＊4 Non explosion-proof type ＊5 Please contact our dealers / distributors for available accessories