

COMBUSTIBLE GAS DETECTOR

GAS LEAK DETECTOR **XP-703DIII**



CE

FEATURES

- Can detect trace amounts of various semiconductor manufacturing gases.
- Automatic stop pump function
- Automatic gas exhaust mode
- Equivalent to IP22 (in soft case)

SPECIFICATIONS

Model	XP-703D III
Target Gas	H ₂ , AsH ₃ , B ₂ H ₆ , SiH ₄ , PH ₃
Detection Principle	Hot-wire semiconductor sensor
Sampling Method	Extractive type
Detectable Leak Rate	H ₂ : 5.07 × 10 ⁻⁷ , AsH ₃ : 2.53 × 10 ⁻⁷ , B ₂ H ₆ : 1.01 × 10 ⁻⁷ , SiH ₄ : 2.53 × 10 ⁻⁷ , PH ₃ : 1.52 × 10 ⁻⁷
Detectable Gas Concentration	H ₂ : 1.0ppm, AsH ₃ : 0.5ppm, B ₂ H ₆ : 0.2ppm, SiH ₄ : 0.5ppm, PH ₃ : 0.3ppm
Response Time	Within 10 seconds (for 300% of detectable gas concentration)
Power Supply	Size AA alkaline batteries × 2
Battery Life *1	Approx. 12 hours (with size AA alkaline batteries)
Degree of Protection	Equivalent to IP22
Operating Pressure	Atmospheric pressure (800 to 1100 hPa)
Operating Temperature and Humidity	0 to 40 degrees C Less than 85% RH (with no condensation)
Dimensions	Approx. 38 (W) × 130 (H) × 32 (D) mm (excluding protrusions)
Weight	Approx. 190g (including batteries and soft case)
Accessories	Soft case, Drain Filter, Replacement Filter, Gas Probe, Dust Filter, Hand Strap, Size AA Alkaline Battery × 2, etc.,

*1 It may vary based on the environmental conditions, operating conditions, storage time, battery manufacturer, etc.

MULTI-GAS DETECTORS

MULTI-GAS DETECTOR **XP-302M**



Combustible gas



Oxygen



Toxic gas



Catalytic combustion sensor



Galvanic cell sensor



Electrochemical cell sensor



FEATURES

- Compact and Lightweight.
- Large, bright display with automated backlight.
- Monitors LEL, O₂, CO and H₂S

SPECIFICATIONS

Model	XP-302M			
Gases Detected	Combustible Gas (Methane or LPG)	Oxygen	Hydrogen Sulfide	Carbon Monoxide
Detection Principle	Catalytic combustion	Galvanic cell	Electrochemical cell	Electrochemical cell
Gas Sampling Method	Extractive			
Measuring Range (Service range)	0-100%LEL	0-25.0vol% (25.1-50.0vol%)	0-30.0ppm (30.1-150ppm)	0-150ppm (151-300ppm)
Indication Accuracy (Repeatability)*1	< ±5%LEL	< ±0.5vol%	< ±1.5ppm	< ±10ppm to 100ppm < ±15ppm to 150ppm
Alarm Set Value	1st stage 10%LEL 2nd stage 30%LEL	19.5vol% 18.0vol%	10.0ppm 15.0ppm	50ppm 100ppm
Response Time*2	with a 1m sampling hose < 25 sec. with an 8m sampling hose < 40 sec.	< 20 sec.	< 30 sec.	< 30 sec.
Operating Temperature & Humidity	-10 to 40°C, 95% RH (non-condensing)			
Power Source	4 × AA alkaline dry cells			
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			
Battery Life*3	8+ hours on 4 × AA alkaline cells (20°C, 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			
Dimensions	Approx. W152 × H152 × D42 mm			
Weight	Approx. 870g			
Standard Accessories	XP-302M-□-1♦ XP-302M-□-2♦ XP-302M-□-3♦ XP-302M-□-4♦	1m sampling hose (Probe with filter/moisture trap, Spare filters) Soft case 8m sampling hose (with float), Soft case and carrying case Aluminum case**1, 8m sampling hose (with float), An external alarm (with 8m cable) and AC adaptor Aluminum case**1, 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			

*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

Ordering information

Model Specification code
XP-302M-□-□-□
 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 or LPG