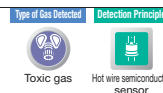


Toxic Gas Detectors

Gas leak detector for semiconductor manufacturing gases

XP-703D



Features

- Best suited for detecting trace leaks of semiconductor manufacturing gases.
- Detects gas leaks and alerts you by lamp and buzzer.

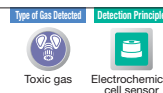
Specifications

Model	XP-703D				
Detection Principle	Hot wire semiconductor				
Sampling Method	Extractive				
Gas Detected	Semiconductor manufacturing gases (arsine, phosphine, diborane, silane, etc.)				
	arsine	phosphine	diborane	silane	hydrogen
	AsH ₃	PH ₃	B ₂ H ₆	SiH ₄	H ₂
Minimum Detectable Leak rate	1.0×10 ⁻⁷	1.5×10 ⁻⁷	0.5×10 ⁻⁷	2.5×10 ⁻⁷	5×10 ⁻⁷ Pa · m ³ /s
Minimum Detectable Concentration	0.2	0.3	0.1	0.5	1.0ppm
Response Time	10s or less				
Detection Indication	Intermittent buzzer and flashing lamp				
Power Source	4× AA (R6) manganese dry cells				
Battery Life	Up to 9 hours by alkaline dry cells (Up to 3 hours by manganese dry cells)				
Operating Temperature	0 to 40°C				
Dimensions	W68 × H155 × D32mm				
Weight	Approx. 400g				
Standard Accessories	Soft case, Probe with filter/moisture trap, Check gas, Standard attachment, 4× AA (R6) manganese dry cells, Spare filters				
Optional Accessories	Earphone				

Multi-Gas Detectors

COSMOS Personal Gas Monitor XX-2200 Series Carbon monoxide/Oxygen detector

XOC-2200



(Actual size)

Features

- Can be used continuously for 5000 hours.
- Available with loud buzzer, alarm lamp from 4 dimensions, and peak hold function.
- Available with TWA (Time Weighted Average) gas concentration display, memory of peak value, and peak hold function.
- Available with gas calibration kit (Optional)

Specifications

Model	XOC-2200	
Gas Detected	Oxygen (O ₂)	Carbon Monoxide (CO)
Detection Principle	Galvanic cell	Electrochemical cell
Sampling Method	Diffusion	
Measuring Range (Service Range)	0-25vol% (25-50vol%)	0-300ppm: 1ppm, (350-2,000ppm: 50ppm)
Resolution	0.1vol%	0-350ppm: 1ppm 350-2,000ppm: 50ppm
Indication Accuracy *1	Within±0.5vol%	Within±30ppm
Alarm Set Value	1st stage: 19.5vol% 2nd stage: 18.0vol%	1st stage: 50ppm, 2nd stage: 150ppm, 150ppm-h (time weighted average)
Response Time *2	20s or less	30s or less
Display Mode	LCD (Manual backlight)	
Alarm Mode	Buzzer sounds, flashing red light, vibrator	
Functions	Remaining battery level, peak hold, peak value memory, readout of time weighted average, remaining battery level, alarm functions except gas alarm (time weighted average, sensor malfunction, battery level, zero-adjustment malfunction), gas calibration, gas concentration indication	
Operating Temperature	-10°C to 40°C, 30-90% RH (non-condensing)	
Operating Air Pressure	Air pressure±10%	
Power source *3	1 × AAA alkaline dry cell	
Battery Life	Up to 5,000 hours (at 20°C with less than 20ppm)	
Dimensions	W65 × D22 × H64mm (excluding protrusions)	
Weight	approx. 75g (including battery)	
Standard Accessories	1 × AAA alkaline dry cell, 1 × safety pin adaptor (with fixing screw)	

*1 Under identical measuring conditions.

*2 Operating at 20±2°C.

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