

SINGLE GAS PERSONAL MONITOR

Features

5 versions to choose from:

CO, H₂S, O₂, CO/O₂, or H₂ compensated CO

3-year warranty (2 years for O₂ sensor)

Up to 4,000 hours of operation

Light and compact “watch type” design

Comfortably wear in your breathing zone

Available with watch band or alligator clip

Automatic backlight during alarm

Sturdy IP-66/68 rated design

Water, dust and radio frequency (RF) resistant

Non-compliance indicator

Applications

Refineries	Chemical Plants
Petrochemical Facilities	Tunnels
Sewage Treatment Plants	Mines
Fire Departments	Hazardous Waste Sites

The GasWatch 3 is the world’s smallest and lightest single-gas monitor. Weighing just 1.6 ounces, its compact form affords great comfort and flexibility in how you choose to wear it. It can be worn on your wrist as a watch, or clipped into your breathing zone on your lapel, hard hat or other safety equipment with its alligator clip.

The 5 different GasWatch 3 models can protect you from oxygen deficiency [GW-3(O₂)], exposure to carbon monoxide [GW-3(CO)] or exposure to hydrogen sulfide [GW-3(H₂S)].

A hydrogen compensated model [GW-3(C-)] can protect those who work in steel mills, refineries or other environments where hydrogen is present from carbon monoxide exposure. The dual sensor model [GW-3(CX)] can simultaneously protect you from oxygen deficiency and carbon monoxide exposure. A small, field-replaceable, coin-type lithium-ion battery gives the GasWatch 3 up to 4,000 hours of continuous operation.

The hydrogen compensated CO can operate up to 2,500 hours, and the dual sensor CO/O₂ model will get up to 2,000 hours of continuous operation. The great battery life coupled with a 3-year warranty* gives the GasWatch 3 tremendous value and a low cost of ownership.

(*2-year for galvanic sensor on the O₂ model)



5 Versions Available



Model	GW-3 (HS)	GW-3 (CO)	GW-3 (C-)	GW-3 (CX) (Dual Sensor)		GX-3 (O2)
	Hydrogen Sulfide	Carbon Monoxide	H2 Compensated CO	Carbon Monoxide	Oxygen	Oxygen
Detection Principle	EC			Dual EC		Galvanic Cell
Detection Range (Increments)	0 ~ 30 ppm (0.1) 30 ~ 100 ppm (1)	0 ~ 300 ppm (1)			0 ~ 25.0% Vol. (0.1)	
Service Range	100 ~ 200 ppm (1)	310 ~ 2,000 ppm (10)			25 ~ 40.0% Vol. (0.1)	
Alarm Setpoints	1st: 5.0 ppm 2nd: 30.0 ppm 3rd: 100.0 ppm TWA: 1.0 ppm STEL: 5.0 ppm OVER: 200.0 ppm	1st: 25 ppm 2nd: 50 ppm 3rd: 1200 ppm TWA: 25 ppm STEL: 200 ppm OVER: 2,000 ppm			L: 19.5% Vol. LL: 18.0% Vol. H: 23.5% Vol. OVER: 40.0% Vol.	
Operating Temperature	-20 °C to +50 °C (no sudden changes) (Approx. 15-minute temporary use environment: -20 °C to +60 °C) [no sudden changes]					-20 °C to +50 °C (no sudden changes)
Humidity Range	10 to 90 %RH (no condensation) (Approx. 15-minute temporary use environment: 0 to 95 %RH) [no condensation]					10 to 90 %RH (no condensation)
Continuous Operating Time	Approx. 4,000 hours	Approx. 2,500 hours		Approx. 2,000 hours		Approx. 4,000 hours
Sampling Method	Diffusion Type					
Types of Alarm	Gas alarms: Three-step alarms, STEL alarm, TWA alarm, OVER alarm Fault alarms: Sensor connection / disconnection, low battery level, calibration failure, clock abnormality, system abnormality					
Alarm Indications	Auto-reset or self latching Lamp flashing, intermittent buzzer sounding, gas concentration readout blinking, vibration					
Power Source	CR2450 coin-type lithium ion battery					
Case Material	Intrinsically safe explosion-proof construction (Ex ia IIC T4 Ga) , IP 66/68 (6.6ft, 1h) (2m, 1h)					
Approvals	ATEX, IECEx, CSA					
Dimension & Weight	2.5" W x 1.6" H x .86" D (Approx 63 mm W x 42mm H x 22mm D) , 1.6 ounces (approx. 45g)					
Functions	Data logger, vibration, STEL alarm, TWA alarm, quick calibration, peak value display, temperature display					
Standard Accessories	CR2450 coin-type lithium-ion battery, Spring pins (used to mount accessories on to the rear face), Watch band, Alligator clip					
Optional Accessories	Heat-resistant case, Dust filter, CF-1821 filter (for CO sensor), CF-A13i-1 humidity control filter (for H2S sensor), Calibration adapter					

*Specifications subject to change without notice