



SINGLE GAS PERSONAL MONITOR

Gas Detection For Life

01 Series



Features

- 4 Gases to choose from LEL, CO, H₂S, or O₂
- Operates 3,000 hrs. on alkaline batteries (except LEL version)
- Pocket size 1.4"(W) x 4.1"(H) x 0.8"(D)
- Light weight 3.5 ounces
- Audible / visual / vibration alarms
- Automatic backlight during alarm
- Peak Hold, STEL & TWA
- Low battery alarm
- Impact and water resistant
- Intrinsically safe, CSA, C / US classified
- 2 year Warranty

Applications

- Hazardous Material
- Mining
- Refineries / Petrochemical
- Water / Wastewater Treatment
- Pharmaceuticals
- Utilities
- Chemical Plants
- Fire Services



Individuals need personal protection in hazardous areas at all times without adding extra bulky equipment, and the 01 Series can provide that kind of protection at an affordable price. The GP-01, OX-01, CO-01, HS-01 and HS-01S models are personal single gas monitors designed for personal protection from combustible hydrocarbons, oxygen deficiency, hydrogen sulfide, or carbon monoxide. Each model is controlled by a microprocessor for reliability and advanced capabilities. Each model can be operated continuously for at least 3,000 hours on (2) AAA size alkaline batteries except the GP-01, which operates for 16 hours. The 01 models have 2 preset alarms that are user adjustable and each version is also equipped with visual, audible, and vibration alarms as standard. The replacement sensors are inexpensive, easily field replaceable, have a life expectancy of 2 years, and are interchangeable with other RKI monitors such as the GX-2001, GX-2003, and GasWatch 2 models.

The entire 01 Series monitors are safe for use in hazardous locations, classified as intrinsically safe by CSA to U.S. and Canadian standards for Class I, Division 1, Groups A, B, C, and D atmospheres. For additional information please visit our web site at www.rkiinstruments.com.

01 Series

Model Name	OX-01	CO-01	HS-01	HS-01S	GP-01
Gas Detected	Oxygen (O ₂)	Carbon Monoxide (CO)	Hydrogen Sulfide (H ₂ S)		Combustible gas
Detection Principle	Galvanic cell	Electro chemical			Catalytic combustion
Sensor Type	OS – BM2	ES – 1821	ES – 1827		NC – 6264
Detection Range (Increments)	0 – 40%vol. (0.1% vol.)	0 – 500 ppm (1 ppm)	0 – 100 ppm (0.5 ppm)		0 – 100% LEL (1% LEL increments)
Alarm Set Points	Low 19.5% vol. High 23.5% vol. Over 40.0% vol.	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm	1st 10.0 ppm 2nd 30.0 ppm TWA 10.0 ppm STEL 15.0 ppm Over 100.0 ppm		1st 10% LEL 2nd 50% LEL Over 100% LEL
Alarm Types	Gas alarm: 2 gas alarms, (1st and 2nd) OVER alarm, STEL & TWA Trouble alarm: Sensor disconnection, low battery circuit failure, calibration range error.				
Alarm Indication	Gas alarm: Flashing LED's, intermittent buzzer, flashing gas value, vibration Trouble alarm: Flashing LED's, intermittent buzzer, display of error message STEL & TWA alarms: Flashing LED's, intermittent buzzer, flashing gas value, vibration				
Gas Sampling	Diffusion				
Response Time	T90 in 20 seconds	T90 in 30 seconds	T90 in 30 seconds	T90 in 30 seconds	30 seconds to 90% response (T90)
Accuracy	+/- 0.5% vol.	+/- 5 ppm (up to 150 ppm)	+/- 1.5 ppm (up to 30 ppm)		+/- 5% of full scale
Power	Alkaline dry cell (2-AAA size)				Alkaline dry cell Ni-Cad battery pack
Continuous Operation	Alkaline dry cell: more than 3,000 hours (at 25°C, no backlight)			1,500 hours at -40°C	Alkaline: 16 hours Ni-Cad: 8 hours
Safety Rating	CSA classified, "C / US", as intrinsically safe. Class I, Division 1, Groups A, B, C, D				
Dimension & Weight	1.4"W x 4.1"H x 0.8"D, (35 x 105 x 20mm); 3.5 ounces (100g)				
Display	7-segment + symbol on digital LCD, auto backlighting during alarm				
Special Functions	<ul style="list-style-type: none"> Manual backlight for LCD (automatically lit during alarm) Peak hold, STEL & TWA 				
Operating Temp. & Humidity	-4°F ~ 122°F (-20°C ~ 50°C); Humidity below 90% RH (non-condensing)			-40°F ~ 122°F (-40°C ~ 50°C) Humidity below 90% RH (non-condensing)	-4°F ~ 122°F (-20°C ~ 50°C); Humidity below 90% RH (non-condensing)
Standard Accessories	<ul style="list-style-type: none"> Rubber protective boots Alkaline batteries Belt clip or alligator clip Wrist strap 				
Optional Accessories	<ul style="list-style-type: none"> Calibration cap (adapter) Calibration kit Charger unit Ni-Cad battery pack 				
Warranty	Two years material & workmanship				

*Specifications subject to change without notice



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