



# SINGLE GAS CLIP-ON PERSONAL MONITOR

Gas Detection For Life

01 Series



## Features

- 4 Gases to choose from: LEL, CO, H<sub>2</sub>S, or O<sub>2</sub>
- Operates 3,000 hrs. on alkaline batteries (16 hours for LEL version)
- Pocket size 1.4”(W) x 4.1”(H) x 0.8”(D)
- Light weight 3.5 ounces
- Audible / visual / vibration alarms
- Special low temp H<sub>2</sub>S version operates at -40°C
- 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](http://www.rkiinstruments.com).

\* The GP-01 has an optional rechargeable battery pack.

# 01 Series

Model Name	OX-01	CO-01	HS-01	HS-01S	GP-01
<b>Gas Detected</b>	Oxygen (O <sub>2</sub> )	Carbon Monoxide (CO)	Hydrogen Sulfide (H <sub>2</sub> S)		Combustible gas
<b>Detection Principle</b>	Galvanic cell	Electrochemical			Catalytic combustion
<b>Detection Range (Increments)</b>	0 – 40%vol. (0.1% vol.)	0 – 500 ppm (1 ppm)	0 – 100 ppm (0.5 ppm)		0 – 100% LEL (1% LEL increments)
<b>Alarm Set Points</b>	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	
<b>Alarm Types</b>	Gas alarms: Trouble alarms:		1st and 2nd (user adjustable), OVER alarm, STEL and TWA Sensor connection, low battery circuit failure, and calibration range error		
<b>Alarm Methods</b>	Gas alarm: Trouble alarm: STEL & TWA alarms:		Flashing LED's, intermittent buzzer, flashing gas value, and vibration Flashing LED's, intermittent buzzer, and display of error message Flashing LED's, intermittent buzzer, flashing gas value, and vibration		
<b>Gas Sampling</b>	Diffusion				
<b>Response Time</b>	T90 in 20 seconds (Alarms within 5 seconds when exposed to 12% O <sub>2</sub> )	T90 in 30 seconds			
<b>Accuracy</b>	+/- 0.5% vol.	+/- 5 ppm (up to 150 ppm)	+/- 1.5 ppm (up to 30 ppm)		+/- 5% of full scale
<b>Power</b>	Alkaline dry cell (2-AAA size)				Alkaline dry cell Ni-Cad battery pack
<b>Continuous Operation</b>	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
<b>Safety Rating</b>	CSA classified, "C/US", as intrinsically safe. Class I, Division 1, Groups A, B, C, D				
<b>Dimensions &amp; Weight</b>	1.4"W x 4.1"H x 0.8"D, (35 x 105 x 20mm); 3.5 ounces (100g)				
<b>Display</b>	7-segment + symbol on digital LCD, auto backlighting during alarm				
<b>Operating Temp. &amp; Humidity</b>	-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)
<b>Standard Accessories</b>	• Rubber protective boots • Alkaline batteries		• Belt clip or alligator clip • Wrist strap		
<b>Optional Accessories</b>	• Calibration cap (adapter) • Calibration kit		• Charger unit (GP-01 only) • Ni-Cad battery pack (GP-01 only)		
<b>Special Functions</b>	• Manual backlight for LCD (automatically lit during alarm) • Peak hold, STEL & TWA				
<b>Warranty</b>	Two years material & workmanship				

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Specifications subject to change without notice.

