



# SINGLE GAS CLIP-ON PERSONAL MONITOR

Gas Detection For Life

03 Series



**4 Versions Available**

- LEL**
- CO**
- H<sub>2</sub>S**
- O<sub>2</sub>**

**Features**

- Operates 3,000 hours on alkaline (GP-03 operates 35 or 30 hrs on alkaline/Ni-MH)
- Pocket size 2.1”(W) x 2.6”(H) x 0.9”(D)
- Light weight 2.8 ounces
- Impact, dust, and water resistant (IP-67)
- Replaceable rubber boot
- Data log 5 to 300 hours with adjustable intervals
- Audible / visual / vibration alarms
- Automatic backlight
- Peak Hold, STEL & TWA
- Low battery alarm
- Intrinsically safe, ATEX, & CSA
- 3 Year warranty H<sub>2</sub>S & CO
- 2 Year warranty LEL & O<sub>2</sub>

**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 03 Series can provide that kind of protection at an affordable price. The GP-03, OX-03, CO-03, and HS-03 models are personal single gas monitors designed for protection from exposure to combustible hydrocarbons, oxygen deficiency, hydrogen sulfide, or carbon monoxide.

The O<sub>2</sub>, CO, and H<sub>2</sub>S versions can be operated continuously for at least 3,000 hours on (2) AAA size alkaline batteries. The GP-03 operates for 35 hours on alkaline and 30 hours on rechargeable Ni-MH. The 03 models have 2 preset alarms that are user adjustable. Each version is also equipped with visual, audible, and vibration alarms as standard.

The replacement sensors are inexpensive, easily field replaceable, and are interchangeable with other popular RKI instruments like the GX-2009, GX-2012, and GasWatch 2. Sensors for LEL and O<sub>2</sub> have a life expectancy of over 2 years. Sensors for H<sub>2</sub>S and CO have a life expectancy of over 3 years.

Each 03 Series monitor is impact, dust, and water resistant with an IP-67 rating. 03 Series instruments are safe for use in hazardous locations, classified as intrinsically safe ATEX/IECEx and by CSA approval 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).

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World Leader In Gas Detection & Sensor Technology  
[www.rkiinstruments.com](http://www.rkiinstruments.com)

# 03 Series



<b>Model Name</b>	<b>CO-03</b>	<b>HS-03</b>	<b>OX-03</b>	<b>GP-03</b>
<b>Gas Detected</b>	Carbon Monoxide (CO)	Hydrogen Sulfide (H <sub>2</sub> S)	Oxygen (O <sub>2</sub> )	Combustible gas
<b>Detection Principle</b>	Electrochemical		Galvanic cell	Catalytic combustion
<b>Detection Range (Increments)</b>	0 – 500 ppm (1 ppm)	0 – 100 ppm (0.5 ppm)	0 – 40%vol. (0.1% vol.)	0 – 100% LEL (1% LEL increments)
<b>Alarm Set Points</b>	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm	1st 1.0 ppm 2nd 30.0 ppm TWA 1.0 ppm STEL 5.0 ppm Over 100.0 ppm	Low 19.5% vol. High 23.5% vol. Over 40.0% vol.	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 30 seconds		T90 in 20 seconds (Alarms within 5 seconds when exposed to 12% O <sub>2</sub> )	T90 in 30 seconds
<b>Accuracy</b> which ever is greater	± 5% of reading or ± 5 ppm CO	± 5% of reading or ± 2 ppm H <sub>2</sub> S	± 0.5% O <sub>2</sub>	± 0.5% of reading or ± 2% LEL
<b>Data Logging</b>	10 second intervals = 5 hours, 5 minute intervals = 150 hours, 10 minute intervals = 300 hours Instrument records alarms, alarm trends, gas readings, calibration & bump test history, instrument information and settings.			
<b>Battery Options</b>	Alkaline dry cell (2-AAA size)			Alkaline dry cell (2-AAA size) Ni-MH battery
<b>Continuous Operation</b>	Alkaline dry cell: more than 3,000 hours (at 25°C, no backlight)			Alkaline: 35 hours Ni-MH: 30 hours
<b>Safety Rating</b>	ATEX/IECEx approved. CSA classified, "C/US", as intrinsically safe, Class I, Division 1, Groups A, B, C, D			
<b>Enclosure</b>	Dust and water resistant with IP-67 rating			
<b>Dimensions &amp; Weight</b>	2.1" W x 2.64" H x 0.94" D, (54 x 67 x 24 mm); 2.8 ounces (80 g)			
<b>Display</b>	Digital LCD, gas name & concentration, auto backlighting during alarm, operation icon, battery icon			
<b>Operating Temp. &amp; Humidity</b>	-4°F ~ 122°F (-20°C ~ 50°C); Humidity below 90% RH (non-condensing)			
<b>Standard Accessories</b>	• Rubber protective boot • Alkaline batteries	• Alligator clip • Data logging software		
<b>Optional Accessories</b>	• Calibration cap • Calibration kit	• Charger unit • Belt clip	• Wrist strap • Data logging download cable	• Calibration station (available 2015)
<b>Special Functions</b>	• Manual backlight for LCD (automatically lit during alarm) • Peak hold, STEL & TWA			
<b>Warranty</b>	3 Year warranty*		2 Year warranty	

\*3 year warranty covers instrument and original sensor. Replacement sensors have a 2 year warranty. Specifications subject to change without notice.



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