CONFINED SPACE / BAR HOLE / LEAK DETECTOR

Gas Detection For Life

GX-2003 Model

Features

- Three operating modes: Normal, Bar Hole, and Leak Check
- Monitors LEL, and % volume methane, O2, CO and H2S
- Barhole mode tests for peak methane and oxygen levels
- Leak detect mode offers high sensitivity tests for ppm level natural gas leaks
- 0 to 100% volume Methane
- Auto-ranging display of % volume and % LEL
- Internal sample drawing pump with up to 40 foot range
- Vibration, visual, and audible alarms
- Automatic backlight during alarms
- Calibration reminder with lock out option
- Ni-MH or alkaline power source (interchangeable)
- Quick charge (complete charge in 90 minutes)
- Glove friendly glow in the dark buttons
- Alarm latching or non-latching
- High impact protective rubber boot
- Up to 600 hours of datalogging with alarm trends
- Autocalibration or single calibration
- TWA and STEL readings with lunch-break mode
- Intrinsically safe, CSA, C/US classified
- 2 year warranty

Built around high-quality micro-sensor technology, the GX-2003 is RKI's smallest personal 5-in-1 gas monitor with a built in sample pump. Weighing only 11 ounces, it has many features which set the GX-2003 apart from the competition. For example, it can monitor the standard confined space gases (LEL combustibles, Oxygen content, Carbon Monoxide, and Hydrogen Sulfide), and it can also measure 100% volume Methane and dynamically display either % LEL, or % volume with its auto-ranging ability.

The GX-2003's large LCD display shows all gas readings, battery level, current time, and will automatically backlight in alarm conditions. This unit also has a special bar hole mode to facilitate locating underground gas leaks. A high sensitivity leak check mode is also included, and provides ppm level detection of gas leaks. A special variable frequency alarm helps to pinpoint the leak without looking at the instrument display. Other standard mode alarm types include vibration, visual, and audible alarms that can be set to latching or non-latching. Controlled by a microprocessor, the GX-2003 continuously checks itself for sensor connections, low battery, circuit trouble, low flow, and calibration errors. The GX-2003 can interchangeably operate on either a Ni-MH battery pack or 3 AA alkaline batteries. The batteries are simple to replace requiring no tools to access the battery compartment. The Ni-MH battery pack can receive a charge directly within the instrument or separately, allowing the unit to remain in service.

Calibration intervals and reminders are user adjustable and can be set to either go into alarm or to lock the user out of normal measurement mode once a calibration period has expired. Calibrations can be performed automatically or individually in single calibration mode. The GX-2003 is also compatible with the economical SM-2003 single channel calibration station.

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GX-2003 Model

Gas Detected	Combustible Gases (Methane as standard)	% Volume Methane	Oxygen (O2)	Hydrogen Sulfide (H2S)	Carbon Monoxide (CO)
Detection Principle	Catalytic combustion	Thermal conductivity	Galvanic cell	Electrochemical cell	
Detection Range	0 ~ 100% LEL	0 ~ 100% Vol.	0 ~ 40% Vol.	0 ~ 100 ppm	0 ~ 500 ppm
Sampling Method	Internal sample pump, flow rate nominal 0.5 LPM, includes hydrophobic filter				
Display	Digital LCD with 7 segments, auto backlight during alarm				
Preset Alarms (User Adjustable)	1st alarm 10% LEL 2nd alarm 50% LEL Over alarm 100% LEL	N/A	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st 10ppm 2nd 30ppm TWA 10ppm STEL 15ppm Over 100ppm	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm
Alarms Types	Gas alarms: 1st and 2nd (user adjustable), STEL, TWA and OVER Trouble alarms: Sensor connection, low battery, low flow, circuit trouble and calibration error				
Alarm Methods	Gas alarms: Flashing lights, two tone buzzer, and vibration Trouble alarms: Flashing lights, trouble displayed, intermittent buzzer, and vibration				
Operating Temp. & Humidity	-20°C to +50°C (-4°F to 122°F) 0 to 85% RH, non-condensing				
Response Time	Within 30 seconds (T90)				
Continuous Operation	Alkaline battery: 14 hours Ni-MH battery: 16 hours				
Power Source	Ni-MH battery pack, direct or separate charge, or 3 “AA” Alkaline dry cell batteries; interchangeable				
Safety Rating	CSA classified, “C/US”, as intrinsically safe. Class I, Division 1, Groups A, B, C, D				
Dimension & Weight	Approx. 171 (H) x 65 (W) x 39 (D) mm (5.6” H x 2.5” W x 1.5” D), approx. 310 g (11 ounces)				
Case Material	Dust & splash resistant. RFI shielded high impact plastic with protective rubber boot				
Controls	Five buttons: POWER / ENTER, DISPLAY, AIR, RESET, SHIFT (glow in the dark)				
Standard Accessories	• Wrist strap • 10’ Hose • Quick reference card • 10” Probe • Manual • Rubber boot • Training CD				
Standard Accessories (Leak Check/ Bar Hole Versions)	• Wrist strap • 3’ Hose • Quick reference card • 10” Probe • 10’ Hose • Rubber boot • 30” Bar hole probe • Manual • Training CD				
Optional Accessories	• Datalogging software • Calibration kit • Data Cal 2000 or SM-2003 calibration stations • Sample draw hoses (10’ standard, up to 40’ max. available) • AC or DC Charger • Ni-MH battery pack • Carrying case				
Configurations	3, 4, or 5 sensor units Ni-MH or alkaline battery options				
Warranty	Two years material and workmanship				

Specifications subject to change without notice.

RKI INSTRUMENTS

A9812 UL REGISTERED FIRM ISO 9001

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