CONFINED SPACE MULTI GAS MONITOR

Gas Detection For Life

GX-2012 Model

Features

- Monitors ppm LEL, and % volume methane, O2, CO and H2S
- 0 to 100% volume methane option
- Auto-ranging display of % LEL and % volume
  3 Operating modes: Normal, leak check, & bar hole
- Leak check mode:
  - PPM leak detector, detects down to 100 ppm CH4
  - Adjustable display ranges: 500/1000/2000/5000 ppm
  - Visual / audible pulses change with gas concentration
  - CO display in leak check mode, ideal for residential investigations
- Barhole test mode for underground leak checks
- Status indicators: Pump active, microprocessor status and battery level
- Internal sample drawing pump with up to 50 foot range
- Vibration, visual, and audible alarms
- Automatic backlight during alarms
- Bump test and calibration reminder with lock out option
- Lithium ion or alkaline battery packs (interchangeable)
- Alarm latching or non-latching
- High impact, dust and water resistant design
- Up to 600 hours of datalogging with alarm trends
- Snap-logging - on demand data recording
- TWA and STEL readings with lunch-break mode
- Intrinsically safe, ATEX/IECEx/CE and (CSA version also available)
- 2 year warranty

With the GX-2012, you have multiple tools in one instrument. Having 3 operating modes, the GX-2012 can be used for confined space, safety monitoring in it's Normal Operating mode; for leak investigation in Leak Check mode; and for underground leak checking in Bar Hole mode. When equipped with an optional TC sensor, the GX-2012 can measure 100% volume methane and dynamically auto range from % LEL to % volume. This is ideal for line purge testing.

Built around high-quality micro-sensor technology, the GX-2012 is RKI's smallest personal 1-5 sensor gas monitor with a built in sample pump. Weighing only 12.3 ounces, the GX-2012 can monitor the standard confined space gases (LEL combustibles, Oxygen content, Carbon Monoxide, and Hydrogen Sulfide).

The GX-2012's large LCD display shows all gas readings, battery level, current time, and will automatically backlight in alarm conditions. Standard alarm types include vibration, visual, and audible alarms, which can be set to latching or non-latching. Controlled by a microprocessor, the GX-2012 continuously checks itself for sensor connections, low battery, circuit trouble, low flow, and calibration errors. The GX-2012 can interchangeably operate on either a Li-ion battery pack or an alkaline battery pack. The batteries are simple to replace requiring no tools to access the removable battery compartment or pack.

Calibration and bump test 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-2012 is also compatible with the economical SDM-2012 single channel calibration station.

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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 ~ 500 / 1,000 / 2,000 / 5,000 ppm	0 ~ 100% Vol.	0 ~ 40% Vol.	0 ~ 100 ppm (Optional 0-500 ppm)	0 ~ 500 ppm
Accuracy Statement (whichever is greater)	± 5% of reading or ± 2% LEL (LEL mode only)	± 5% of reading or ± 2% of full scale	± 0.5% O2	± 5% of reading or ± 2 ppm H2S	± 5% of reading or ± 5 ppm CO
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	No alarms for % Vol. CH4	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st 5 ppm 2nd 30 ppm TWA 10 ppm STEL 15 ppm Over 100 ppm	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm
Alarms Types	Gas alarms: 1st and 2nd, STEL, TWA (user adjustable) 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 95% RH, non-condensing				
Response Time	Within 30 seconds (T90)				
Continuous Operation	Alkaline battery: 15 hours Li-Ion battery: 10 hours 70°F (21°C)				
Power Source	Li-Ion battery pack, or 3 “AA” Alkaline battery pack; interchangeable				
Safety Rating	ATEX, TIIS, IECEx, CE, CSA classified (as standard), as intrinsically safe. Class I, Division 1, Groups A, B, C, D (optional version available)				
Dimension & Weight	Approx. 143 (H) x 71 (W) x 43 (D) mm (5.6” H x 2.8” W x 1.6” D), approx. 350 g (12.3 ounces)				
Case Material	High dust & water resistant design. RFI shielded high impact plastic with protective rubber overmolding				
Controls	Five buttons: POWER / ENTER, DISPLAY, AIR, RESET, SHIFT				
Standard Accessories	• Belt clip • 10” Probe • 10’ Hose	• Rubber nozzle, 3.5” • Manual • Training CD	• Datalogging software • Quick reference card		
Optional Accessories	• SDM-2012 calibration stations • Li-Ion battery pack • Sample draw hoses (10’ standard, up to 100’ max. available)	• Calibration kit • AC or DC Charger • Carrying case			
Configurations	1, 2, 3, 4, or 5 sensor units Li-Ion or alkaline battery pack options				
Warranty	Two years material and workmanship				

Specifications subject to change without notice.

RKI INSTRUMENTS

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