



# CONFINED SPACE MULTI GAS MONITOR

LEADERS IN GAS DETECTION

Since 1977

GX-2012



## Features:

- Monitors LEL, % Vol Methane, O<sub>2</sub>, CO and H<sub>2</sub>S
- 0 to 100% Vol Methane option
- Auto-ranging display of % LEL and % volume
- Internal sample drawing pump with up to 15 meter range
- Vibration, visual, and audible alarms
- Automatic backlight during alarms
- Calibration reminder with lock out option
- Quick charge (complete charge in 90 minutes)
- Glove friendly large buttons
- Alarm latching or non-latching
- High impact protective rubber overmoulding
- Up to 600 hours of data logging with alarm trends
- Autocalibration or single calibration
- TWA and STEL readings with lunch-break mode

Built around our high-quality micro-sensor technology, the GX-2012 is our smallest personal 5 sensor gas monitor with a built-in sample pump. Weighing only 350 grams, it has two operating modes: normal (for confined spaces) and bar hole. The GX-2012 can monitor the standard confined space gases (LEL combustibles, Oxygen content, Carbon Monoxide and Hydrogen Sulphide) as well as 100% volume Methane, and dynamically display either %LEL or %Volume with its auto-ranging ability. The GX-2012 can be used for gas line purge testing as well as standard safety testing.

The GX-2012's large LCD display shows all gas readings, battery level and current time, and will automatically backlight in alarm conditions. Standard alarm types include vibration, visual and audible alarms that 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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### Representatives/Offices in:

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Gas Detected	Combustible gases (Methane as standard)	% Volume Methane	Oxygen (O <sub>2</sub> )	Hydrogen Sulphide (H <sub>2</sub> S)	Carbon Monoxide (CO)
Detection Principle	Catalytic Combustion	Thermal conductivity	Galvanic cell	Electro-chemical cell	Electro-chemical cell
Detection Range	0 – 100% LEL	0 - 100% Vol	0 – 40.0% Vol	0 – 100 ppm	0 – 500 ppm
Accuracy Statement (whichever is greater)	± 5% of reading or ± 2% LEL	± 5% of reading or ± 2% of full scale	± 0.5% O <sub>2</sub>	± 5% of reading or ± 2ppm H <sub>2</sub> S	± 5% of reading or ± 5ppm 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				
Present Alarms (User Adjustable)	1st alarm 5% LEL 2nd alarm 10% LEL Over alarm 100% LEL	No alarms for % Vol CH <sub>4</sub>	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st alarm 10 ppm 2nd alarm 15 ppm TWA alarm 10 ppm STEL alarm 15 ppm Over alarm 100 ppm	1st alarm 30 ppm 2nd alarm 60 ppm TWA alarm 30 ppm STEL alarm 200 ppm Over alarm 500 ppm
Alarm Types	Gas Alarm: 1st and 2nd, STEL, TWA (user adjustable) and OVER Trouble Alarm: Sensor connection, low battery, low flow, circuit trouble and calibration error				
Alarm Methods	Gas Alarm: Flashing lights, two tone buzzer and vibration Trouble Alarm: Flashing lights, trouble displayed, intermittent buzzer and vibration				
Operating Temp & Humidity	-20°C to +50°C, 0 to 95% RH, non-condensing				
Response Time	Within 30 seconds (T90)				
Continuous Operation	Alkaline battery: 15 hours      Li-ion battery: 10 hours 21°C				
Power Source	Li-ion battery pack or 3 “AA” Alkaline battery pack (standard); interchangeable				
Safety Rating	ATEX, TIIS, IECEx, CE Ex ia IIC/IIB T4 Ga cCSA <sub>US</sub> classified (pending) as intrinsically safe. Class I, Division 1, Groups A, B, C, D				
Dimensions & Weight	Approx 14.3 cm x 7.1 cm x 4.3 cm (H x W x D), Weight is approx 350g				
Case Material	High dust & water resistant design IP-67. RFI shielded high impact plastic with protective rubber overmoulding				
Controls	Five buttons: POWER/ENTER, DISPLAY, AIR, RESET, SHIFT				
Standard Accessories	Belt clip      Rubber nozzle 6.3 cm      Manual Quick reference card      Training CD      Alkaline battery pack				
Optional Accessories	SDM-2012 Calibration station      Calibration kit      Li-ion battery pack Carry case      Sample draw hose (3 -15m available)      25 cm Probe AC or DC charger      Data logging software				
Configurations	1, 2, 3, 4 or 5 sensor units Li-ion or alkaline battery pack options				
Warranty	Two year material and maintenance				

Specifications subject to change