



FOUR GAS PERSONAL MONITOR

LEADERS IN GAS DETECTION

Since 1977

GX-2009 Model



Features:

- Simultaneous detection of 4 gases LEL, O₂, H₂S & CO
- Smallest / Lightest 4 gas monitor on the market (70 H x 70 W x 25 D mm), approx 130 grams
- Dual audible alarm ports (95 db @ 30 cm)
- 3 visual alarm LED's
- Vibration alarm
- IP-67 Waterproof / dustproof design
- Calibration lock out or reminder controls
- Large capacity data logging standard
 - 8 alarm trends
 - Log time range of 10 to 300 hours
 - 100 calibration records
- 20 hours of operation (NiMH batteries)
- Large LCD display screen
- Automatic backlighting at alarm
- Impact resistant over-mold body, RFI shielded body
- STEL and TWA readouts
- Intrinsically safe, IECEx / ATEX approved
- 2 year warranty

Applications:

- Confined Spaces
- Hazardous Material
- Refineries/ Chemical Plants
- Personal Monitoring
- Utilities
- Water/Wastewater Plants
- Fire Services
- Pharmaceuticals

Accessories

- 3 meter hose and sample pump
- Calibration Cup
- Hard Carry Case
- RP-2009
- 12v Charger
- Calibration Gas with 0.5lpm regulator
- SDM-2009U

The GX-2009 gas detector model is the smallest and lightest 4-gas monitor in the world. Weighing only 130g, it fits in the palm of your hand (70 H x 70 W x 25 D mm). The GX-2009 simultaneously monitors and displays combustibles, oxygen, carbon monoxide, and hydrogen sulphide. The GX-2009 represents the latest evolution of gas detection technology. Advancements include dual audible alarm ports and alarm LED's on 3 sides of the instrument, so that alarm conditions are obvious from multiple perspectives especially in high noise environments. Other features include a waterproof and dustproof design with IP 67 rating, an impact resistant rubber over-mold body that is RFI resistant, and a large capacity data logging system included as a standard feature.

Other standard features are vibration alarm, autocalibration, calibration lock out or reminder control, STEL / TWA readings, peak hold, auto backlighting at alarm on a large LCD display, and it even tells the time! All of these controls and features are operated through 2 simple glow-in-the dark, glove friendly buttons. The NiMH battery set will operate for 20 hours and will fully charge in 3 hours.

A huge capacity data logging function is a standard feature on all GX-2009 instruments, and will store up to 8 alarm trend sessions where readings are recorded 30 minutes before and after an alarm event. The data logging has a 3,600 data point capacity with a log time range of 10 to 300 hours based on programmable interval times. The data logging software will also store up to 100 calibration records and is Windows XP, Vista and Windows 7 compatible. The GX-2009 is also functional with the SDM-2009 docking and calibration station.



OIL & GAS



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FUMIGATION

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Gas Detected	All Combustible gases (Methane as standard)	Oxygen (O ₂)	Hydrogen Sulphide (H ₂ S)	Carbon Monoxide (CO)
Detection Principle	Catalytic Combustion	Galvanic cell	Electro-chemical cell	Electro-chemical cell
Detection Range (Increments)	0 – 100% LEL (1% LEL)	0 – 40.0% Vol (0.1% Vol)	0 – 100 ppm (0.5 ppm)	0 – 500 ppm (1 ppm)
Sampling Method	Diffusion sampling, hand aspirator or motorised pump optional			
Display	Digital LCD displays all four gases simultaneously, with auto backlight			
Present Alarms (User Adjustable)	1st alarm 5% LEL 2nd alarm 10% LEL Over alarm 100% LEL	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
Types of Alarms	Gas Alarm: 2 increasing alarms, STEL, TWA, over scale alarm Trouble Alarm: Sensor disconnection, wire disconnection, low battery, circuit error, calibration range error			
Display of Alarms	Gas Alarm: Flashing LEDs, intermittent buzzer (95dB @ 30cm), flashing gas value, vibration Trouble Alarm: Flashing LEDs, intermittent buzzer (95dB @ 30cm), display of error message			
Operating Temp & Humidity	-20°C to +50°C, 0 to 95% RH, non-condensing (splash resistant)			
Response Time	Within 30 seconds (T90)			
Continuous Operation	20 hours after a full 3 hour charge, (14 hours after a 90 minute charge)			
Power Source	Direct charging NiMH batteries, set of 2			
Safety Design/Approvals	IECEx zone 0 Ex ia IIC T4; ATEX II 1G Ex ia IIC T4			
Dimension & Weight	Approx 70 (H) x 75 (W) x 25 (D) mm, approx 130g			
Case Material	RFI shielded high impact over moulded rubber. Dust & waterproof with IP-67 approval			
Controls	Two glow in the dark buttons: POWER/MODE, AIR			
Datalogging	Standard with all instruments. Stores 8 alarm trend events: 3600 data point capacity with a log time range of 10 to 300 hours (based on programmable interval times); and stores up to 100 calibration records.			
Standard Accessories	Alligator clip NiMH batteries (set of 2) Charging Station with 220 VAC power supply Operating Manual			
Optional Accessories	Belt clip Padded carrying case for GX-2009 and accessories Charging station, 115/220 VAC powered for 2, 3, 4 or 5 instruments Charging station with 12 VDC power supply and vehicle adapter plug 12 VDC adapter with vehicle plug (does not include charger base) RP-6 sample drawing pump with 25cm hose and probe Hand aspirated sample draw with 25cm hose and probe Calibration / Bump test kit			
Configurations	4 gas, LEL / O ₂ / H ₂ S / CO 2 gas, LEL / O ₂	3 gas, LEL / O ₂ / H ₂ S 2 gas, O ₂ / H ₂ S	3 gas, LEL / O ₂ / CO 2 gas, O ₂ / CO	
Warranty	Two years material and workmanship			

