

FOUR GAS PERSONAL MONITOR

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, 130 g
- 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
(CSA, C/US pending)
- 2 year warranty

Applications

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

RKI is proud to offer the smallest and lightest 4-gas monitor in the world, the GX-2009. 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 sulfide. 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 and Vista compatible. The GX-2009 is also functional with the Data Cal 2000 instrument maintenance system and the SM-2009U single calibration station (available in 2009).

The GX-2009 is designed around RKI's compact and proven sensors, utilizing catalytic combustion, electrochemical and galvanic sensor technologies.

Each miniaturized sensor is manufactured with the same high quality control that has made RKI sensors and instruments the most reliable and long lasting monitoring devices in the industry.



GX-2009 Model

Gas Detected	All Combustible gases (Methane as standard)	% Volume Methane *	Oxygen (O2)	Hydrogen Sulphide (H2S)	Carbon Monoxide (CO)
Detection Principle	Catalytic Combustion	Thermal conductivity	Galvanic cell	Electro-chemical cell	Electro-chemical cell
Detection Range (Increments)	0 – 100% LEL	0 - 100% Vol	0 – 40.0% Vol	0 – 100 ppm	0 – 500 ppm
Sampling Method	Internal sample pump, flow rate 0.5 lpm				
Display	Digital LCD, auto backlight during alarm				
Present Alarms (User Adjustable)	1st alarm 10% LEL 2nd alarm 15% LEL Over alarm 100% LEL	N/A	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 60 ppm Over alarm 500 ppm
Present Alarms (User Adjustable)	Gas Alarm: flashing lights, intermittent buzzer and vibration, automatic backlighting Trouble Alarm: flashing lights, intermittent buzzer and vibration, automatic backlighting				
Display of Alarms	Gas Alarm: 2 step alarm, STEL, TWA and OVER Trouble Alarm: sensor connection, low battery, circuit trouble and calibration error				
Special Functions	Manual back light LCD (Automatic at alarm) STEL, TWA Peak hold Continuous display of current time Autocalibration or single calibration		Datalogging (up to 600 hours) Alarm trend data for last 8 alarms Direct charging in just 90 minutes Calibration reminder and lock out		
Operating Temp & Humidity	-20°C ~ to +50°C, 0 to 97% RH, non-condensing (splash resistant)				
Response Time	Within 30 seconds (T90)				
Continuous Operation	10 hours fully charged (without any alarm)				
Power Source	Ni-MH battery pack, direct or separate charge (standard)				
Safety Design/Approvals	Intrinsically safe design, CSA, C/US approved (Pending, CSA file No. 186718-2500028218)				
Dimension & Weight	Approx 171 (H) x 65 (W) x 39 (D) mm, approx 312g				
Case Material	Dust & weather resistant. RFI shielded high impact plastic				
Controls	Five buttons: POWER/ENTER, DISPLAY, AIR, RESET, SHIFT				
Standard Accessories	Strap Probe		Charger Ni-Cad battery pack	Rubber boot	
Optional Accessories	Datalogging software		Docking station	Sampling pipe	
Warranty	One year material and workmanship				

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