PERSONAL FOUR GAS MONITOR

Gas Detection For Life

GX-2009 Model



World's Smallest and Lightest 4 Gas Monitor

Features

- **Simultaneous detection of 4 gases**
  - **LEL, O2, H2S & CO**
- **Smallest / Lightest 4 gas monitor on the market**
  - 2.7" H x 3" W x 1" D, 4.6 oz.
- **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, CSA, C/US classified IECEx / ATEX approved**
- **2 year warranty**

Applications

- **Personal monitoring**
- **Confined spaces**
- **Refineries/petrochemical**
- **Utilities**
- **Hazardous material**
- **Water/wastewater**
- **Fire services**
- **Construction**

RKI is proud to offer the smallest and lightest 4-gas monitor in the world, the GX-2009. Weighing only 4.6 ounces, it fits in the palm of your hand (2.75" H x 2.95" L x .98" D). 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 function 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.

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GX - 2009 Model

Gas Detected	All Combustible Gases (Methane as standard)	Oxygen (O2)	Hydrogen Sulfide (H2S)	Carbon Monoxide (CO)
Detection Principle	Catalytic combustion	Galvanic cell	Electrochemical cell	
Detection Range (Increments)	0 ~ 100% LEL (1% LEL)	0 ~ 40.0% Vol. (0.1% Vol.)	0 ~ 100.0 ppm (0.5 ppm)	0 ~ 500 ppm (1 ppm)
Sampling Method	Diffusion sampling standard, hand aspirator or motorized pump optional			
Display	Digital LCD displays all four gases simultaneously, with auto backlight			
Preset Alarms (User Adjustable)	1st alarm 10% LEL 2nd alarm 50% LEL Over alarm 100% LEL	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st alarm 10 ppm 2nd alarm 30 ppm TWA alarm 10 ppm STEL alarm 15 ppm Over alarm 100 ppm	1st alarm 25 ppm 2nd alarm 50 ppm TWA alarm 25 ppm STEL alarm 200 ppm Over alarm 500 ppm
Types of Alarms	Gas Alarm: 2 increasing alarms, STEL, TWA, overscale alarm Trouble alarm: Sensor disconnection, wire disconnection, low battery, circuit error, calibration range error			
Display of Alarm	Gas Alarm: Flashing LEDs, intermittent buzzer (95 db @ 30 cm), flashing gas value, vibration Trouble alarm: Flashing LEDs, intermittent buzzer (95 db @ 30 cm), display of error message			
Operating Temp. & Humidity	-4°F to 122°F (-20°C ~ +50°C), 0 to 95% RH, non-condensing (splash resistant)			
Response Time	Within 30 seconds (T90)			
Continuous Operation	20 hours after a 3 hour full charge (14 hours after 90 min 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; CSA classified, “C/US”, as intrinsically safe. Class I, Division 1, Groups A, B, C, D			
Dimension & Weight	2.7” H x 3” W x 1” D (Approx. 70 H x 75 W x 25 D mm), 4.6 ounces (approx. 130 g)			
Case Material	RFI shielded high impact over molded rubber. Dust and 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: 3,600 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.			
Required Accessories	Battery charger			
Standard Accessories	Alligator clip ..... 13-0116RK NiMH batteries (set of 2) ..... 49-1609RK Charging Station with 115/220 VAC power supply (optional) 49-2170RK			
Optional Accessories	Belt Clip ..... 13-0117RK Padded carrying case for GX-2009 and accessories ..... 21-0112RK-01 Charging station, 115/220 VAC powered for 2, 3, 4, or 5 instruments ..... 49-2170RK-XX Charging station with 12 VDC power supply and vehicle adapter plug ..... 49-2171RK 12 VDC adapter with vehicle plug (does not include charger base) ..... 49-2020RK RP-6 sample drawing pump with 10’ hose and probe ..... 81-1166RK Hand aspirated sample draw with 10’ hose and probe 81-1160RK			
Configurations	• 4 gas, LEL / O2 / H2S / CO • 2 gas, LEL / O2	• 3 gas, LEL / O2 / H2S • 2 gas, O2 / H2S	• 3 gas, LEL / O2 / CO • 2 gas, O2 / CO	
Warranty	Two years material and workmanship			

Specifications subject to change without notice.

RKI INSTRUMENTS

A9812 UL REGISTERED FIRM ISO 9001

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