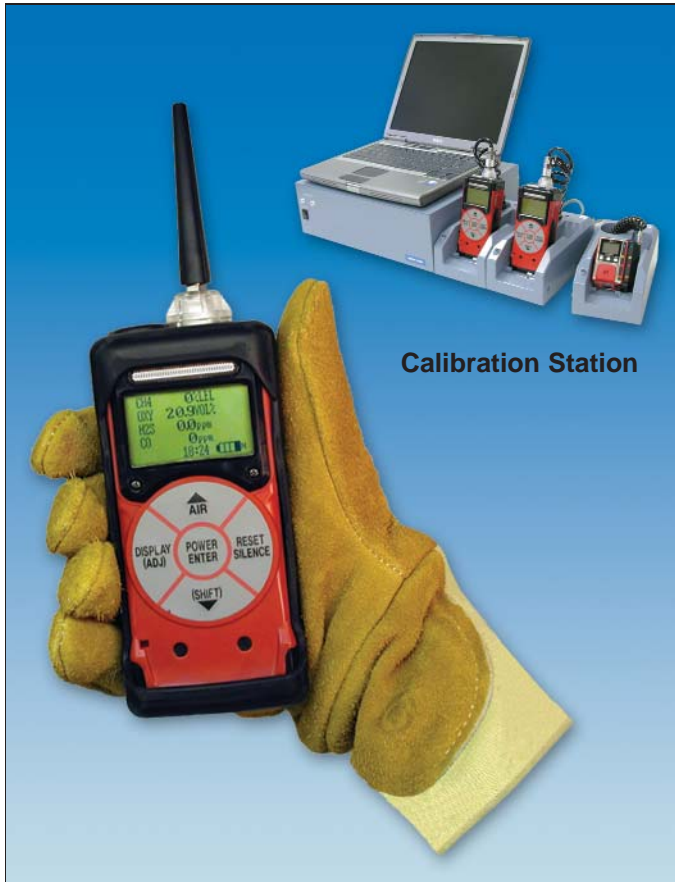




PERSONAL SAMPLE DRAW 5 IN 1 GAS MONITOR

Gas Detection For Life

GX-2003 Model



Features

- Compact size, weighs only 11 ounces
- Monitors Combustibles, O₂, CO, and H₂S
- 0 to 100% volume Methane (other gases available)
- Autoranging display of % volume and % LEL
- Internal sample drawing pump
- Vibration, visual, and audible alarm types
- Automatic backlight during alarms
- Calibration reminder and lock out
- Ni-Cad or alkaline power source
- Battery pack charges in or out of the instrument
- Quick charge (complete charge in 90 minutes)
- Alarm latching or non latching
- Up to 600 hours of datalogging with alarm trends
- Autocalibration or single calibration
- TWA and STEL readings with lunch-break mode
- Intrinsically safe, CSA, C / US approved (pending)
- 2 year warranty

Applications



- | | |
|------------------------------|--------------------------------|
| • Utilities | • Hazardous material |
| • Personal monitoring | • Water / wastewater treatment |
| • Confined spaces | • Fire services |
| • Refineries / petrochemical | • Mining |
| • Chemical plants | |

Built around our high-quality micro-sensor technology, the GX-2003 is RKI's smallest personal 5-in-1 gas monitor with a built in sample pump. Weighing only 11 ounces, it has many standard features which set the GX-2003 apart from the competition. For example, it can monitor the standard confined space gases (LEL combustibles, Oxygen deficiency, Carbon Monoxide, and Hydrogen Sulfide), however it can also measure 100% volume combustibles and dynamically displays either % LEL or % volume with its auto-ranging ability.

The GX-2003's large LCD display shows all 4 gas readings, battery level, current time, and will automatically backlight in alarm conditions. Each channel has 2 adjustable alarm levels in addition to TWA and STEL readings for Carbon Monoxide and Hydrogen Sulfide. The TWA and STEL readings are equipped with a lunch-break mode, which prevent the average readings from being reset when the unit is turned off. Standard alarm types include vibration, visual and audible alarms that can be set to latching or non-latching. Controlled by a microprocessor, the GX-2003 continuously checks itself for sensor connections, low battery, circuit trouble, low flow, and calibration errors. The GX-2003 can operate on either a Ni-Cad pack or 3 AA alkaline batteries. The batteries are simple to replace requiring no tools to access the battery compartment. The Ni-cad battery pack can also receive a charge directly within the instrument or separately, allowing the unit to remain in service.

The GX-2003 is equipped with datalogging and a sizable memory capacity of up to 600 hours of log time. With this much capacity, the GX-2003 can store 100 alarm events, 100 trouble events, the last 20 calibrations, and up to 8 alarm trends where data is collected automatically every 5 seconds for 30 minutes before and after an alarm occurs. Calibration 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 on all channels automatically or individually in single calibration mode. The GX-2003 is also compatible with the DataCal 2000 calibration station for simultaneous, hands-free service of up to 10 instruments.

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World Leader In Gas Detection & Sensor Technology
www.rkiinstruments.com

GX - 2003 Model

Gas Detected	All Combustible Gases (Methane as standard)	% Volume Methane*	Oxygen (O ₂)	Hydrogen Sulfide (H ₂ 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
Sampling Method	Internal sample pump, flow rate nominal 0.5 LPM				
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	N/A	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: flashing lights, intermittent buzzer, and vibration Trouble alarm: flashing lights, trouble displayed and no vibration				
Alarm Method	Gas Alarm: 1st, 2nd, 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 (Ni-cad version) Calibration reminder and lock out		
Operating Temp. & Humidity	-20° C ~ + 50°C (-4 to 122°F), 0 to 97% RH, non-condensing				
Response Time	Within 30 seconds (T90)				
Continuous Operation	Alkaline battery: 14 hours (fully charged) Ni-Cad battery: 10 hours (fully charged)				
Power Source	Ni-Cad battery pack, direct or separate charge, or 3 "AA" Alkaline dry cell batteries				
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 (5.6" H x 2.5"W x 1.5"D), approx. 310 g (11 ounces)				
Case Material	Dust & splash resistant. RFI shielded high impact plastic with protective rubber boot				
Controls	Five buttons: POWER / ENTER, DISPLAY, AIR, RESET, SHIFT				
Standard Accessories	Strap Probe Rubber boot 10' hose (some versions)				
Optional Accessories	Charger Ni-Cad battery Datalogging software Calibration kit Calibration station Sample draw hoses (10' standard, up to 30' max.)				
Ordering Information	GX-2003, 5 sensors, LEL / % Vol / O ₂ / CO / H ₂ S GX-2003, 4 sensors, LEL / O ₂ / H ₂ S / CO GX-2003, 3 sensors, LEL / O ₂ / H ₂ S GX-2003, 3 sensors, LEL / O ₂ / CO GX-2003, 2 sensors, LEL / O ₂ GX-2003, 2 sensors, LEL / 1% Vol / O ₂				
Warranty	Two years material and workmanship				

* Other gases available for % volume range are H₂ and Isobutane.

* Specifications subject to change without notice.



A9812



ISO 9002:1994

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