



# PERSONAL SAMPLE DRAW 5 IN 1 GAS MONITOR

Gas Detection For Life

GX-2003 Model



## Features

- Compact size, weighs only 11 ounces
- Monitors Combustibles, O<sub>2</sub>, CO, and H<sub>2</sub>S
- 0 to 100% volume Methane, Isobutane, and Hydrogen
- Auto-ranging display of % volume and % LEL
- Internal sample drawing pump with 50 foot range
- 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)
- Glove friendly glow in the dark buttons
- Alarm latching or non latching
- High impact rubber boot protection
- Up to 600 hours of datalogging with alarm trends
- Logs last 20 calibration events
- Autocalibration or single calibration
- TWA and STEL readings with lunch-break mode
- Intrinsically safe, CSA, C / US approved
- 2 year warranty

## Applications

- |                              |                                |
|------------------------------|--------------------------------|
| • Utilities                  | • Hazardous material           |
| • Personal monitoring        | • Water / wastewater treatment |
| • Confined space entry       | • 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 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 display either % LEL, or % volume with its auto-ranging ability.

The GX-2003's large LCD display shows all 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 interchangeably 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 <sub>2</sub> )	Hydrogen Sulfide (H <sub>2</sub> S)	Carbon Monoxide (CO)
<b>Detection Principle</b>	Catalytic combustion	Thermal conductivity	Galvanic cell	Electro-chemical cell	Electro-chemical cell
<b>Detection Range</b>	0 ~ 100% LEL	0 ~ 100% Vol.	0 ~ 40.0% Vol.	0 ~ 100 ppm	0 ~ 500 ppm
<b>Sampling Method</b>	Internal sample pump, flow rate nominal 0.5 LPM				
<b>Display</b>	Digital LCD with 7 segments, auto backlight during alarm				
<b>Preset Alarms (User Adjustable)</b>	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
<b>Alarms Types</b>	Gas alarms: Trouble alarms:	1st and 2nd (user adjustable), STEL, TWA and OVER sensor connection, low battery, low flow, circuit trouble and calibration error			
<b>Alarm Methods</b>	Gas alarms: Trouble alarms:	flashing lights, two tone buzzer, and vibration flashing lights, trouble displayed, intermittent buzzer, and vibration			
<b>Operating Temp. &amp; Humidity</b>	-10° C ~ + 40°C (14 to 104°F), 0 to 85% RH, non-condensing				
<b>Response Time</b>	Within 30 seconds (T90)				
<b>Continuous Operation</b>	Alkaline battery: 14 hours Ni-Cad battery: 10 hours (fully charged)				
<b>Power Source</b>	Ni-Cad battery pack, direct or separate charge, or 3 "AA" Alkaline dry cell batteries				
<b>Safety Rating</b>	CSA classified, "C / US", as intrinsically safe. Class I, Division 1, Groups A, B, C, D				
<b>Dimension &amp; Weight</b>	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)				
<b>Case Material</b>	Dust & splash resistant. RFI shielded high impact plastic with protective rubber boot				
<b>Controls</b>	Five buttons: POWER / ENTER, DISPLAY, AIR, RESET, SHIFT				
<b>Standard Accessories</b>	<ul style="list-style-type: none"> <li>• Strap</li> <li>• Probe</li> <li>• Rubber boot</li> <li>• 10' hose (some versions)</li> </ul>				
<b>Optional Accessories</b>	<ul style="list-style-type: none"> <li>• Charger</li> <li>• Ni-Cad battery</li> <li>• Datalogging software</li> <li>• Calibration kit</li> <li>• Data Cal 2000 calibration station</li> <li>• Sample draw hoses (10' standard, up to 30' max.)</li> </ul>				
<b>Special Functions</b>	<ul style="list-style-type: none"> <li>• Manual back light LCD (Automatic at alarm)</li> <li>• STEL, TWA</li> <li>• Peak hold</li> <li>• Continuous display of current time</li> <li>• Autocalibration or single calibration</li> <li>• Datalogging (up to 600 hours)</li> <li>• Alarm trend data for last 8 alarms</li> <li>• Direct charging in just 90 minutes (Ni-Cad version)</li> <li>• Calibration reminder and lock out</li> </ul>				
<b>Ordering Information</b>	GX-2003, 5 sensors, LEL / % Vol / O <sub>2</sub> / CO / H <sub>2</sub> S GX-2003, 4 sensors, LEL / O <sub>2</sub> / H <sub>2</sub> S / CO GX-2003, 3 sensors, LEL / O <sub>2</sub> / H <sub>2</sub> S GX-2003, 3 sensors, LEL / O <sub>2</sub> / CO GX-2003, 2 sensors, LEL / O <sub>2</sub> GX-2003, 2 sensors, LEL / % Vol / O <sub>2</sub>				
<b>Warranty</b>	Two years material and workmanship				

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

Specifications subject to change without notice.



A9812



ISO 9001:2000

## Authorized Distributor:

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