



**RKI** Analytical  
Instruments  
The Analyser People

# GX-2012

5-in-1 Gas Monitor



## Features

- Monitors HC's (%LEL), O<sub>2</sub>, CO, H<sub>2</sub>S, CH<sub>4</sub> (Vol.%)
- Autoranging display of %LEL and Vol.%
- Up to 600 hours of data logging
- Peak, pump active and system status
- Internal sample drawing pump with up to 15 meters range
- CE, ATEX, IECEx
- Leak check mode



**RIKEN KEIKI**  
For a Safer World

## Description

Built around high-quality micro-sensor technology, the GX-2012 is RKI's smallest personal 5 sensor gas monitor with a built in sample pump. Weighing only 350g, it offers two operating modes; Normal (for confined spaces) and bar hole. The GX-2012 can monitor the standard confined space gases (LEL combustibles, Oxygen content, Carbon Monoxide, and Hydrogen Sulfide), and it can also measure 100% volume Methane and dynamically display either % LEL, or % volume with its auto-ranging ability. The GX-2012 can be used for gas line purge testing as well as standard safety testing.

The GX-2012's large LCD display shows all gas readings, battery level, current time, and will automatically backlight in alarm conditions. Standard alarm types include vibration, visual, and audible, which can be set to latching or nonlatching. Controlled by a microprocessor, the GX-2012 continuously checks itself for sensor connections, low battery, circuit trouble, low flow, and calibration errors. The GX-2012 can interchangeably operate on either a Li-Ion battery pack or an alkaline battery pack.


The batteries are simple to replace requiring no tools to access the removable battery compartment or pack. Calibration and bump test intervals and reminders

## GX-2012 gas combinations available

Types	Combustibles 0-100% LEL	O <sub>2</sub> 0-40 Vol.%	H <sub>2</sub> S 0-100 ppm	CO 0-500 ppm	CH <sub>4</sub> 0-100 Vol.%
Type A	●	●	●	●	●
Type B	●	●	●	●	
Type C	●	●	●		
Type D	●	●		●	
Type E	●	●			●
Type F	●	●			
Type O <sub>2</sub>		●			
Type LEL	●				

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 automatically or individually in single calibration mode. The GX-2012 is also compatible with the economical DC2000\_2012 single channel calibration station.

## Specifications

Model	GX-2012				
<b>Gas Detected</b>	% LEL Combustible Gases (HC's & H <sub>2</sub> )	% Volume Methane (CH <sub>4</sub> )	Oxygen (O <sub>2</sub> )	Hydrogen Sulfide (H <sub>2</sub> S)	Carbon Monoxide (CO)
<b>Detection Range</b>	0 ~ 100% LEL	0 ~ 100% Vol.	0 ~ 40% Vol.	0 ~ 100 ppm	0 ~ 500 ppm
<b>Detection principle</b>	Catalytic combustion	Thermal conductivity	Galvanic cell	Electrochemical cell	
<b>Sampling Method</b>	Internal sample pump, flow rate nominal 0.5 l/ min, includes hydrophobic filter				
<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	No alarms for % Vol. CH <sub>4</sub>	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st 5 ppm 2nd 30 ppm TWA 5 ppm STEL 15 ppm Over 100 ppm	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm
<b>Alarms Types</b>	Gas alarms: 2-Stage-Alarm, TWA = Time Weighted Average of the last 8 hours STEL = Short Term Exposure Limit, average of the last 15 minutes Warning alarms: sensor connection, low battery, low flow, circuit trouble and calibration error				
<b>Alarm Methods</b>	Gas alarms: flashing lights, two tone buzzer, and vibration Warning alarms: flashing lights, trouble displayed, intermittent buzzer, and vibration				
<b>Operating Temp. &amp; Humidity</b>	-20°C to +50°C 0 to 95% RH, non-condensing				
<b>Response Time</b>	30s (T <sub>90</sub> )				
<b>Continuous Operation</b>	Alkaline battery: 15 hours 21°C Li-Ion battery: 10 hours 21°C				
<b>Power source</b>	Li-Ion battery pack, or 3 "AA" Alkaline battery pack; interchangeable				
<b>Ingress proof rating</b>	IP67				
<b>Safety Rating</b>	CE / ATEX  II 1G EEx ia IIC T4 / IECEx / Intrinsically safe				
<b>Dimension &amp; Weight</b>	Approx. 143 (H) x 71 (W) x 43 (D) mm, approx. 350 g				
<b>Standard Accessories</b>	belt clip / probe / 3m hose / rubber nozzle, 6,5cm / manual / quick reference card				
<b>Optional Accessories</b>	DC2000_2012 calibration stations / Li-Ion battery pack / charger / 3-15m sample draw hoses test gas and calibration sets / carrying case / datalogging software / TOP-Service-Program				

Specifications subject to change without notice.



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