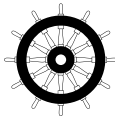


GX-2009

Our smallest personal 4-Gas-Monitor

H₂S **CO** **HC** **O₂**



LONGLIFE
RIKEN Smart Sensor



Features

- Simultaneous and real-time detection of H₂S, CO, HC and O₂
- Visual, audible and vibration alarm
- Password protected
- Data logger
- IP-67: waterproof and dust proof design
- ATEX and MED (Wheelmark) approved



RIKEN KEIKI
For a Safer World

Overview

The GX-2009 represents the latest evolution of gas detection technology. Advancements include dual audible alarm ports and alarm LED's on 3 sides, so that alarm conditions are obvious from multiple perspectives especially in high noise environments. Other features include an impact and RFI resistant

rubber over-mold body that is a waterproof and dust proof with IP 67 rating. Additionally, a large capacity data logging system is a standard feature. GX-2009 is our smallest 4-gas monitor, perfect fitting for personal safety applications.

Product Overview

IR communication

Data logging

LCD display

Simultaneous display of all gases

Buzzer holes

Loud and clear sound (95dB at 30 cm distance)

Sensor housing

Easy to access, easy to service

Alarm LEDs

3 powerful LEDs in plus vibration alarm

Over-mold body

Dust & water proof, IP67 rating

2 button operation

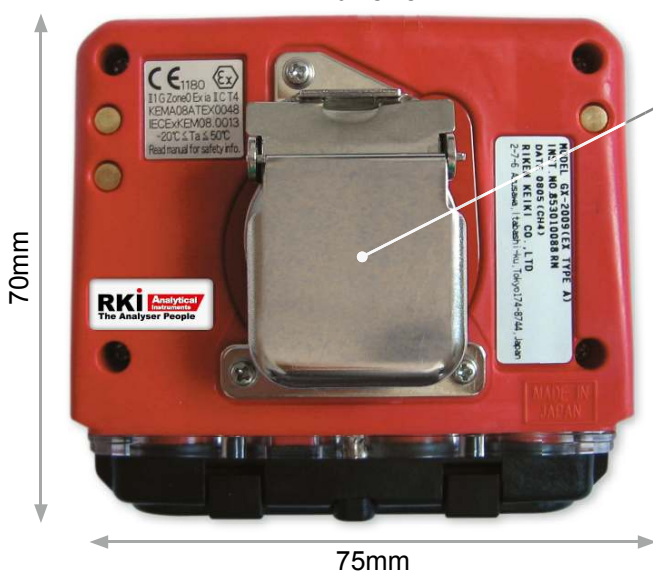
Glove friendly, glow-in-the-dark

NiMH batteries

180 min. fast charge mode



full-size



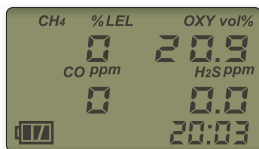
Crocodile Clip

- Rugged and soild
- clip turn 360°
- Locks in place with 45° steps

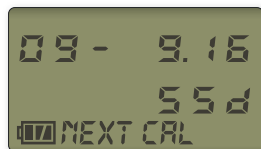


LCD Display

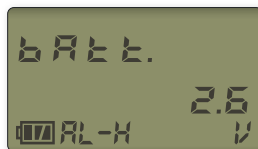
Measurement mode



Next calibration



Battery voltage



PEAK



STEL



TWA



Applications

- Shipping
- Fire-fighting
- Personal monitoring
- Confined spaces
- Water / wastewater treatment
- Pharmaceuticals
- Semiconductor industry
- Hazardous material
- Chemical plants
- Refineries / petrochemical industry
- Hazardous freights
- Utilities
- and much more

SDM-2009

Adjustment and the functional test of the GX-2009 was never so easy like using new SDM-2009 Dockingstation. SDM-2009 enables the user with an easy two button keys quickly and easily to carry out an adjustment or a functional test of the device. Using the LCD-display of GX-2009 and build in LED's the SDM-2009 will show results of function test.



Password Protection



Because of the GX-2009 security features you are secured from accidental misconfigurations or missed calibrations, which may influence measurement mode in a negative way and endanger the user. Calibration intervals and reminders are user adjustable and all critical adjustments can be password protected.

Optional Accessories



Charging Station
(GX-2009_WCHARG)
combine up to 5 pcs. for multi-charge



Data Logging Kit
(GX-2009_WDASW)
incl. IrDA adapter and data logger software



Telescope type probe
(GX-2001_WTELE)
extendable 3 m



Hand aspirator kit
(GX-2001_YASDNIT)
pump for manual sample drawing



RP-6 pump
(GX-2001_RP-6)
sampling pump with battery- and flow alarm



Calibration gas
cal sets and also available



Protection case
(GX-2009_WKOFFER)
for GX-2009 and accessories



RKI Top service
programm for trouble free usage



RKI training
we offer individual trainings.
You will find appointments and more information on www.GasSensor.de.

Description

RKI is proud to offer the 4-gas monitor, the GX-2009. Weighing only 130g, GX-2009 simultaneously monitors combustibles, oxygen, carbon monoxide, and hydrogen sulfide.

Vibration alarm, auto calibration, data logging, date and time.

All of these controls and features are operated through 2 simple glow in the dark buttons.

Other standard features are vibration alarm,

auto calibration, calibration lock out or reminder control, STEL/TWA readings and peak hold %.

The GX-2009 is designed around the world's smallest gas sensors, manufactured with the same high quality control that has made RIKEN KEIKI sensors and instruments the most reliable and long lasting monitoring devices in the industry. GX-2009 is available as 3-gas, 2-gas and 1-gas version.

Models

4 Gas	Type A	HC O ₂ H ₂ S CO
3 Gas	Type B	HC O ₂ H ₂ S
	Type C	HC O ₂ CO
2 Gas	Type D	HC O ₂
	Type E	O ₂ H ₂ S
	Type F	O ₂ CO

*) PEAK = Peak Value
TWA = Time Weighted Average of the last 8 hours
STEL = Short Term Exposure Limit, average of the last 15 minutes

Specifications

Model	GX-2009							
Measuring gas	HC Combustible gases		O ₂ Oxygen		H ₂ S Hydrogen sulfide		CO Carbon monoxide	
Measuring range	0-100% LEL		0-40% vol		0-100 ppm		0-500 ppm	
Resolution	1% LEL		0.1% vol		0.5 ppm		1 ppm	
Detection principle	Catalytic combustion		Galvanic cell		Electrochemical cell			
Sampling method	Diffusion (optional pump)							
Display	Simultaneous display of all measuring gases. Digital LCD display, auto backlight at alarm display.							
Alarm indication	Flashing LEDs, intermittent buzzer (95dB in 30cm distance), flashing gas value, vibration, error message							
Alarm preset (User adjustable)	1. Alarm 2. Alarm Over Range	10% LEL 20% LEL 100% LEL	1. Alarm 2. Alarm Over Range	19.5% vol 23.5% vol 40.0% vol	1. Alarm 2. Alarm Over Range	5 ppm 30.0 ppm 100.0 ppm	1. Alarm 2. Alarm Over Range	25.0 ppm 50.0 ppm 500 ppm
Types of alarm	Gas alarm: Trouble alarm:		2 preset alarms, STEL, TWA, over scale alarm sensor disconnection, wire disconnection, low battery, circuit error, calibration range error					
Functions	<ul style="list-style-type: none">• Manual backlight LCD (automatic at alarm)• IrDA port• STEL, TWA and Peak hold• Auto calibration, alarm trend, continuous display of current time							
Datalogger	Stores 8 alarm trend events: 3600 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.							
Operating temp. & humidity	-20°C to +50°C, 0 to 95% RH (non-condensing)							
Response time	30s (T ₉₀)							
Continuous operation	20 hours after a 3 hour full charge (14 hours after 90 min charge)							
Power source	Direct charging Ni-MH battery pack							
Ingress proof rating	IP67							
Safety rating	⚠ II 1G Exia II CT4 IECEX Zone 0 Exia II CT4 CSA MED (Wheel Mark)							
Dimensions and weight	Approx. 70 x 75 x 25 mm, 130g							
Accessories	Standard: wrist strap, crocodile clip Optional Docking Station: battery charger, hand aspirator, pump RP-6, protection case Windows® data logger software, calibration gas							

Specifications subject to change without notice.



RKI Analytical Instruments GmbH
Daimlerstraße 12
D-61352 Bad Homburg v. d. H.
Tel.: +49 (0)6172 49510-0
Fax: +49 (0)6172 49510-30
E-Mail: rki@rki-analytical.de
Web: www.GasSensor.de

Distributed by:



GAS MARINE TECHNOLOGIES
Pol. Ind. La Menacha
Avd. del Estrecho
P1.4, Nave 5
11204 Algeciras, SPAIN
Phone.: +34-956653520
Fax: +34-956630595
E-mail: op@gasmarine.es