

# GX-3R

## Four Gas Monitor

- 3 year warranty
- Simultaneous detection of 4 gases LEL, O<sub>2</sub>, H<sub>2</sub>S & CO
- Smallest / Lightest 4 gas monitor (55mm H x 64mm W x 26mm D), approx 100 grams
- Intrinsically safe, IECEx, ATEX
- 25 hours of operation
- IP68 dustproof / waterproof

## Portable Multi-Gas Detection



## Overview

The GX-3R is the world's smallest 4 gas monitor weighing only 100 grams and can comfortably be clipped within a workers breathing zone (55mm W x 64mm H x 26mm D). It simultaneously monitors and displays LEL combustibles, O<sub>2</sub>, CO (Hydrogen compensated CO also available), and H<sub>2</sub>S.

## Applications

- Confined spaces
- Hazardous material
- Refineries/ Chemical plants
- Personal monitoring
- Water/Wastewater Plants
- Utilities
- Fire Services
- Pharmaceuticals
- Oil & Gas
- Construction

H2 Compensated CO sensor available



Common Specifications							
Model	GX-3R						
Detection target gas	Combustible gas (HC or CH4)		Oxygen(O2)		Carbon monoxide (CO)		Hydrogen sulfide(H2S)
Detection principle	New ceramic type		Electrochemical type				
Detection range (service range)	0~100%LEL		0~25.0 vol% (~40.0 vol%)		0~500ppm (~2000ppm)		0~100.0ppm (~200.0ppm)
1 digit	1%LEL		0.1vol%		1ppm		0.1ppm
Gas alarm setpoint (can be set by user)	1st alarm	:10%LEL	L alarm	:19.5vol%	1st alarm	:25ppm	1stalarm :5.0ppm
	2nd alarm	:25%LEL	LL alarm	:18.0vol%	2nd alarm	:50ppm	2nd alarm :30.0ppm
	3rd alarm	:50%LEL	H alarm	:23.5vol%	3rd alarm	:1200ppm	3rd alarm :100.0ppm
	OVER alarm	:100%LEL	OVER alarm	:40.0vol%	TWA alarm	:25ppm	TWA alarm :1.0ppm
					STEL alarm	:200ppm	STEL alarm :5.0ppm
					OVER alarm	:2000ppm	OVER alarm :200.0ppm
Detection method	Diffusion type (Changeable to sampling type by attaching RP-3R)						
Gas alarm indication	Lamp flashing, continuous modulating buzzer sounding, gas concentration display blinking, vibration Reset operation: Self-latching						
Fault alarm	System abnormality, sensor abnormality, battery voltage drop, calibration failure						
Fault alarm indication	Lamp flashing, intermittent buzzer sounding, detail display. Reset operation: Self-latching						
Displays	LCD digital, backlight, operation status , clock, battery level, temperature, peak reading, calibration notification						
Buzzer volume	Approx 95 dB (30 cm)						
Data logger function	Maximum number of items: 3,600    Interval: 5 minutes (adjustable)    Communication system: IrDA						
Explosion-proof class <sup>*3)</sup>	ATEX	II1 G Ex da ia IIC T4 Ga/ IM1 Ex da ia I Ma (With combustible gas sensor) II1 G Ex ia IIC T4 Ga/ IM1 Ex ia I Ma (No combustible gas sensor)					
	IECEx	Ex da ia IIC T4 Ga/ Ex da ia I Ma (With combustible gas sensor) Ex ia IIC T4 Ga/ Ex ia I Ma (No combustible gas sensor)					
Protection level	Equivalent to IP66/68 (2 m, 1 h)						
Power source	Lithium-ion rechargeable battery unit Charging time: Approx. 3 hours						
Continuous operating time <sup>*1)</sup>	Long-life battery mode on: Approx. 40 hours (25°C, fully charged, no alarm, no lighting) Long-life battery mode off: Approx. 25 hours (25°C, fully charged, no alarm, no lighting)						
Temperature range/ humidity range <sup>*2)</sup>	-40°C ~ +60°C (no sudden changes), 0 ~ 95% RH (non-condensing, splash resistant)						
External dimensions/weight	Approx 55mm (H) x 64mm (W) x 26mm (D), approx 100g						
Warranty	3 years (optional 2 years extension available)						
Case material	Explosion proof, dust and water resistant to IP-68 (2m,1h) approval. Drop height 7m						
Controls	Two buttons: POWER / MODE, AIR						
Datalogging	Logs user ID, station ID, Calibration & Bump Test history, Alarm Events & Alarm Trends						
Optional accessories	• Padded carrying case for GX-3R and accessories • RP-3R Attachable sampling Pump with tapered rubber nipple, 3m hose and probe (up to 12m hose available) • USB to IrDA downloading cable for datalogger • SDM-3R calibration station				Standard accessories		• Alligator Clip • Charger • Calibration cup

\*1 Varies depending on sensor type installed. Please contact RIKEN KEIKI for more information.

\*2 In temporary ambient conditions for approximately 15 minutes. The operating temperature and humidity ranges for continuous ambient conditions are as follows: Temp: -20°C to +50°C (no sudden changes)/ Humidity: 10 to 90 %RH (no condensation)

\*3 Applicable standards and certifications vary depending on the specifications of the gas detector. Please specify at the time of purchase.

#### Docking station SDM-3R

A versatile calibration station that automates the service of a GX-3R (Pro) gas monitor



#### Manual sampling pump

A manual sampling pump to precisely collect a sample volume for a detector



#### Clip-On sampling pump RP-3R

A compact, battery operated, motorised sample drawing pump

