

# **GX-3R** Four Gas Monitor

- 3 year warranty
- Simultaneous detection of 4 gases LEL, O2, H2S & 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, O2, CO (Hydrogen compensated CO also available), and H2S.

## **Applications**

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



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GX-3R

# **Specifications**

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 2nd alarm 3rd alarm OVER alar	:50%LEL	L alarm :19.5vol% LL alarm :18.0vol% H alarm :23.5vol% OVER alarm :40.0vol%	1st alarm:25ppm2nd alarm:50ppm3rd alarm:1200ppmTWA alarm:25ppmSTEL alarm:200ppmOVER alarm:2000ppm	1stalarm:5.0ppm2nd alarm:30.0ppm3rd alarm:100.0ppmTWA alarm:1.0ppmSTEL alarm:5.0ppmOVER alarm <td:200.0ppm< td=""></td: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 *3)	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		x da ia I Ma (With combust a I Ma (No combustible gas		
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 axtension 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	<ul> <li>Padded carrying case for GX-3R and accessories</li> <li>RP-3R Attachable sampling Pump with tapered rubber nipple, 3m hose and probe (up to 12m hose available)</li> <li>USB to IrDA downloading cable for datalogger</li> <li>SDM-3R calibration station</li> <li>Standard accessories</li> <li>Attachable sampling Pump with tapered rubber accessories</li> <li>Attachable sampling Pump with tapered rubber</li></ul>				

\*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 depnding on the specifications of the gas detector. Please specify at the time of purchase.

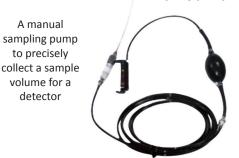
### Docking station SDM-3R

#### Manual sampling pump

Clip-On sampling pump RP-3R

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









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