

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



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
- Water/Wastewater Plants
- Utilities
- Fire Services
- Pharmaceuticals
- Oil & Gas
- Construction



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 2nd alarm :25%LEL 3rd alarm :50%LEL OVER alarm :100%LEL	L alarm :19.5vol% LL alarm :18.0vol% H alarm :23.5vol% OVER alarm :40.0vol%	1st alarm :25ppm 2nd alarm :50ppm 3rd alarm :1200ppm TWA alarm :25ppm STEL alarm :200ppm OVER alarm :2000ppm	1st alarm :5.0ppm 2nd alarm :30.0ppm 3rd alarm :100.0ppm TWA alarm :1.0ppm STEL alarm :5.0ppm 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 ^{*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	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^{*1)}	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 ^{*2)}	-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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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

