

Ribble Enviro
...everything gas detection

Data Sheet

sales@ribble-enviro.co.uk

+44(0)1200 445 804

ribble-enviro.co.uk

Unit 4, Business Park, Gisburn, Clitheroe BB7 4JP

Company No: 06140589 VAT No: GB 906 6241 34



SMALLEST & LIGHTEST 4 GAS MONITOR

Gas Detection For Life

GX-3R Model



Features

- **Smallest & lightest 4 gas monitor**
 - 2.2" W x 2.55" H x 1.02" D, 3.52 ounces
- **Simultaneous detection of 4 gases**
 - LEL, O₂, H₂S & CO
 - H₂ Compensated CO sensor available
- **Simple 2-button operation**
- **Non-Compliance Indicator**
- **Alarms: audible, visual, & vibration**
- **3 user adjustable alarm levels**
- **Impact resistant body with removable rubber boot**
- **Large LCD Auto-backlit display**
- **25 hours of operation (Lithium-ion battery)**
- **Field replaceable sensors & filters**
- **Water and dust resistant design, IP66/68**
- **Stealth mode for law enforcement**
- **3 Year warranty**

Applications

- **Personal monitoring**
- **Confined spaces**
- **Refineries/petrochemical**
- **Utilities**
- **Oil and Gas**
- **Water/wastewater**
- **Fire services**
- **Construction**

4 World's Smallest and Lightest Gas Monitor

OSHA defines the breathing zone as a ten inch radius around the worker's nose and mouth, and requires that worker exposure monitoring air samples be collected **in the breathing zone**. Air sampling filters may be attached to the collar or lapel. Traditionally this means only a single gas monitor would be small enough for a worker to practically wear a gas monitor **'In the breathing zone'**. Now there is a 4 gas monitor smaller than many single gas monitors.

The GX-3R is the worlds smallest 4 gas monitor weighing only 3.52 ounces and can comfortably be clipped within a worker's breathing zone (2.2" W x 2.55" H x 1.02" D). It simultaneously monitors and displays LEL combustibles, O₂, CO (Hydrogen compensated CO also available), and H₂S.

The GX-3R represents the latest evolution of gas detection technology utilizing a new generation of micro sensors. The LEL sensor has a unique design with two active filaments in one sensor to increase it's resistance to silicone poisoning. If one filament gets poisoned the second filament takes over. The new O₂ sensor is electrochemical with a 3 to 5 year life span. H₂S and CO are now available in a combo micro sensor.

Safety supervisors will appreciate the non-compliance indicator. The instrument flashes it's 3 LED lights every 30 seconds in the following conditions; if the instrument has not been bump tested, or if calibration is due, or if there was a gas alarm event. The 3 LED lights will continue to flash once every 30 seconds until the non-compliance condition has been resolved. The 30 second interval is adjustable.



RKI Instruments, Inc. • 33248 Central Ave. Union City, CA 94587 • Phone (510) 441-5656 • (800) 754-5165 • Fax (510) 441-5650

World Leader In Gas Detection & Sensor Technology
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GX-3R Model

Gas Detected	(CO) <i>H2 Compensated</i>	Carbon Monoxide(CO)	Hydrogen Sulfide(H2S)	H2S Only	Combustible Gases (Methane as standard)	Oxygen (O2)
	Dual Sensor					
Sensor Slot	1			2		3
Detection Principle	EC	Dual EC		EC	Catalytic combustion	Electrochemical cell
Detection Range (Increments)	0 ~ 2,000 ppm (1 ppm)		0 ~ 200.0 ppm (0.1 ppm)		0 ~ 100% LEL (1% LEL)	0 ~ 40.0% Vol. (0.1%)
Accuracy Statement	± 5% of reading or ± 2 ppm CO	± 5% of reading or ± 5 ppm CO (whichever is greater)	± 5% of reading or ± 2 ppm H2S (whichever is greater)		± 5% of reading or ± 2% LEL (whichever is greater)	± 0.5% O2
Sampling Method	Diffusion sampling standard (hand aspirator or clip-on motorized pump optional)					
Display	Digital LCD displays with 7 segment plus 14 segment plus icon					
Preset Alarms (User Adjustable) Overscale alarm (Non-adjustable)	1st alarm: 25.0 ppm 2nd alarm: 50.0 ppm 3rd alarm: 1200.0 ppm TWA alarm: 25.0 ppm STEL alarm: 200.0 ppm Over alarm: 2000.0 ppm		1st alarm: 5.0 ppm 2nd alarm: 30.0 ppm 3rd alarm: 100.0 ppm TWA alarm: 1.0 ppm STEL alarm: 5.0 ppm Over alarm: 200.0 ppm		1st alarm: 10% LEL 2nd alarm: 25% LEL 3rd alarm: 50% LEL Over alarm: 100% LEL	Low 1 alarm: 19.5% Low 2 alarm: 18.0% High alarm: 23.5% Over alarm: 40.0%
Types of Alarms	Gas Alarm: 3 Increasing alarms, STEL, TWA, overscale alarm. O2 decreasing/increasing. Trouble alarm: Sensor disconnection, low battery, circuit error, calibration range error					
Display of Alarm	Gas Alarm: Flashing LEDs, continuous buzzer (100 db @ 30 cm), flashing gas value, vibration Trouble alarm: Flashing LEDs, intermittent buzzer (95 db @ 30 cm), display of error message					
Operating Temp. & Humidity	-20°C ~ +50°C [-4°F ~ +122°F], 10 to 90% RH, non-condensing (continuous environment) -40°C ~ +60°C [-40°F ~ +140°F], 0 to 95% RH, non-condensing (temporary environment, 15 minutes)					
Response Time	Within 30 seconds (T90)					
Power Source	Lithium-ion battery, Approx. 25 hours after a 3 hour full charge					
Approvals	ATEX, CSA					
Dimension & Weight	2.2" W x 2.55" H x 1.02" D (Approx. 58 W x 65 H x 26 D mm), 3.52 ounces (approx. 100 g) without rubber boot 2.4" W x 2.63" H x 1.06" D (Approx. 61 W x 67 H x 27 D mm), 3.70 ounces (approx. 105 g) with rubber boot					
Case Material	Dust and water resistant to IP-66/68 (2m,1h) approval. Drop height 23 ft					
Controls	Two buttons: POWER / MODE, AIR					
Datalogging	Logs user ID, station ID, Calibration & Bump Test history, Alarm Events & Alarm Interval Trends					
Standard Accessories	Alligator clip, protective rubber boot, charger, and calibration adapter					
Optional Accessories	SDM-3R calibration station RP-3R Clip-on sampling pump with 4" rubber nipple, 10' hose and probe (up to 40' hose available) Padded carrying case for GX-3R and accessories USB to IrDA downloading cable for datalogger					
Warranty	Three years material and workmanship					

Calibration Station SDM-3R



- Charge, calibrate, bump test, and alarm test
- Automatically schedule calibrations & bump test
- Fast bump mode uses less calibration gas
- Ethernet and USB output connections
- Bank up to 10 units with tubeless connection

Clip-On Sampling Pump RP-3R



- 100' sampling range and independent power supply



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