



FOUR GAS PERSONAL MONITOR

LEADERS IN GAS DETECTION

Since 1977

GX-3R Model



Features:

- Simultaneous detection of 4 gases LEL, O₂, H₂S & CO
- Smallest / Lightest 4 gas monitor on the market (55mm H x 64mm W x 26mm D), approx 100 grams
- Dual audible alarm ports (95 db @ 30 cm)
- 3 visual alarm LED's
- Vibration alarm
- IP-68 Waterproof / dustproof design
- Non-compliance indicator
- Large capacity data logging standard
 - 8 alarm trends
 - Log time range of 10 to 300 hours
 - 100 calibration records
- 25 hours of operation (Lithium-ion batteries)
- Large LCD display screen
- Automatic backlighting at alarm
- Impact resistant body
- STEL and TWA readouts
- Intrinsically safe, IECEx, ATEX
- 3 year warranty

Applications:

- Confined spaces
- Hazardous material
- Refineries/ chemical plants
- Personal monitoring
- Utilities
- Water/wastewater plants
- Fire services
- Pharmaceuticals
- Oil & Gas
- Construction

Accessories:

- 3 meter hose and sample pump
- Calibration cup
- Hard carry case
- 12V charger
- Calibration gas with 0.25Lpm regulator
- SDM-3R

The GX-3R is the worlds 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.

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 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, if the instrument has been exposed to a gas or has not been bump tested or calibration is due. The 3 LED lights will continue flash once every 30 seconds until the non-compliance condition has been resolved.

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.

Gas Detected	All Combustible gases (Methane as standard)	Oxygen (O ₂)	Hydrogen Sulphide (H ₂ S)	Carbon Monoxide (CO)
Detection Principle	Catalytic Combustion	Electrochemical cell	Dual Electrochemical cell	
Detection Range (Increments)	0 – 100% LEL (1% LEL)	0 – 25.0% Vol (0.1% Vol)	0 – 100 ppm (0.5 ppm)	0 – 500 ppm (1 ppm)
Sampling Method	Diffusion sampling, hand aspirator or motorised pump optional			
Display	Digital LCD displays with 7 segment plus 14 segment plus icon			
Present Alarms (User Adjustable)	1st alarm 5% LEL 2nd alarm 10% LEL Over alarm 100% LEL	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st alarm 10 ppm 2nd alarm 15 ppm TWA alarm 10 ppm STEL alarm 15 ppm Over alarm 200 ppm	1st alarm 30 ppm 2nd alarm 60 ppm TWA alarm 30 ppm STEL alarm 60 ppm Over alarm 2000 ppm
Types of Alarms	Gas Alarm: 2 Increasing alarms, STEL, TWA, overscale alarm. O ₂ decreasing/increasing. Trouble Alarm: Sensor disconnection, low battery, circuit error, calibration range error			
Display of Alarms	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	-40°C to +60°C, 0 to 95% RH, non-condensing (splash resistant)			
Response Time	Within 30 seconds (T90)			
Continuous Operation	25 hours after a full 3 hour charge			
Power Source	Lithium-ion battery			
Safety Design/Approvals	Ex da ia IIC T4 Ga or EX ia IIC T4 Ga and EX da ia I MA or EX ia I Ma (IECEX) / I M1Ex da ia I Ma//II 1G Ex da ia IICT4 Ga (ATEX)			
Dimension & Weight	Approx 55mm (H) x 64mm (W) x 26mm (D), approx 100g			
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			
Standard Accessories	Alligator clip Charger Calibration cup			
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 Calibration Cup			
Warranty	Three years material and workmanship			