



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.



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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%) |
| 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 | |
| Types of Alarms | Gas Alarm: Trouble alarm: | 3 Increasing alarms, STEL, TWA, overscale alarm. O2 decreasing/increasing. Sensor disconnection, low battery, circuit error, calibration range error | | | | |
| Display of Alarm | Gas Alarm: Trouble alarm: | Flashing LEDs, continuous buzzer (100 db @ 30 cm), flashing gas value, vibration 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 | Explosion proof, 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



INSTRUMENTS

Gas Detection For Life

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