



### Features

- **5 versions to choose from**  
— CO, H<sub>2</sub>S, O<sub>2</sub>, CO/O<sub>2</sub>, or H<sub>2</sub> compensated CO
- **3-year warranty (2 years for O<sub>2</sub> sensor)**
- **Up to 4,000 hours of operation**
- **Light and compact "watch type" design**
- **Comfortably wear in your breathing zone**
- **Available with watch band or alligator clip**
- **Automatic backlight during alarm**
- **Sturdy IP-66/68 rated design**
- **Water, dust and radio frequency (RF) resistant**
- **Non-compliance indicator**

### Applications

- **Refineries**
- **Petrochemical facilities**
- **Sewage treatment plants**
- **Fire departments**
- **Chemical plants**
- **Tunnels**
- **Mines**
- **Hazardous waste sites**

The GasWatch 3 is the world's smallest and lightest single-gas monitor. Weighing just 1.6 ounces, its compact form affords great comfort and flexibility in how you choose to wear it. It can be worn on your wrist as a watch, or clipped into your breathing zone on your lapel, hard hat or other safety equipment with its alligator clip.

The 5 different GasWatch 3 models can protect you from oxygen deficiency [GW-3(O<sub>2</sub>)], exposure to carbon monoxide [GW-3(CO)] or exposure to hydrogen sulfide [GW-3(H<sub>2</sub>S)]. A hydrogen compensated model [GW-3(C-)] can protect those who work in steel mills, refineries or other environments where hydrogen is present from carbon monoxide exposure. The dual sensor model [GW-3(CX)] can simultaneously protect you from oxygen deficiency and carbon monoxide exposure.

A small, field-replaceable, coin-type lithium-ion battery gives the GasWatch 3 up to 4,000 hours of continuous operation. The hydrogen compensated CO can operate up to 2,500 hours, and the dual sensor CO/O<sub>2</sub> model will get up to 2,000 hours of continuous operation.

The great battery life coupled with a 3-year warranty\* gives the GasWatch 3 tremendous value and a low cost of ownership.

\*2-year for galvanic sensor on the O<sub>2</sub> model



# GasWatch3 Model

| Model                        | GW-3 (HS)                                                                                                                                                                                          | GW-3 (CO)                                                                                      | GW-3 (C-)           | GW-3 (CX) (Dual Sensor) |                                                                      | GX-3 (O2)                               |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------|-------------------------|----------------------------------------------------------------------|-----------------------------------------|
|                              | Hydrogen Sulfide                                                                                                                                                                                   | Carbon Monoxide                                                                                | H2 Compensated CO   | Carbon Monoxide         | Oxygen                                                               |                                         |
| Detection Principle          | EC                                                                                                                                                                                                 |                                                                                                |                     | Dual EC                 |                                                                      | Galvanic Cell                           |
| Detection Range (Increments) | 0 ~ 30 ppm (0.1)<br>30 ~ 100 ppm (1)                                                                                                                                                               | 0 ~ 300 ppm (1)                                                                                |                     |                         | 0 ~ 25.0% Vol. (0.1)                                                 |                                         |
| Service Range                | 100 ~ 200 ppm (1)                                                                                                                                                                                  | 310 ~ 2,000 ppm (10)                                                                           |                     |                         | 25 ~ 40.0% Vol. (0.1)                                                |                                         |
| Alarm Setpoints              | 1st: 5.0 ppm<br>2nd: 30.0 ppm<br>3rd: 100.0 ppm<br>TWA: 1.0 ppm<br>STEL: 5.0 ppm<br>OVER: 200.0 ppm                                                                                                | 1st: 25 ppm<br>2nd: 50 ppm<br>3rd: 1200 ppm<br>TWA: 25 ppm<br>STEL: 200 ppm<br>OVER: 2,000 ppm |                     |                         | L: 19.5% Vol.<br>LL: 18.0% Vol.<br>H: 23.5% Vol.<br>OVER: 40.0% Vol. |                                         |
| Operating Temperature        | -20 °C to +50 °C (no sudden changes)<br>(Approx. 15-minute temporary use environment: -20 °C to +60 °C)<br>[no sudden changes]                                                                     |                                                                                                |                     |                         |                                                                      | -20 °C to +50 °C<br>(no sudden changes) |
| Humidity Range               | 10 to 90 %RH (no condensation)<br>(Approx. 15-minute temporary use environment: 0 to 95 %RH)<br>[no condensation]                                                                                  |                                                                                                |                     |                         |                                                                      | 10 to 90 %RH<br>(no condensation)       |
| Continuous Operating Time    | Approx. 4,000 hours                                                                                                                                                                                |                                                                                                | Approx. 2,500 hours | Approx. 2,000 hours     |                                                                      | Approx. 4,000 hours                     |
| Sampling Method              | Diffusion Type                                                                                                                                                                                     |                                                                                                |                     |                         |                                                                      |                                         |
| Types of Alarm               | Gas alarms: Three-step alarms, STEL alarm, TWA alarm, OVER alarm<br>Fault alarms: Sensor connection / disconnection, low battery level, calibration failure, clock abnormality, system abnormality |                                                                                                |                     |                         |                                                                      |                                         |
| Alarm Indications            | Auto-reset or self latching<br>Lamp flashing, intermittent buzzer sounding, gas concentration readout blinking, vibration                                                                          |                                                                                                |                     |                         |                                                                      |                                         |
| Power Source                 | CR2450 coin-type lithium ion battery                                                                                                                                                               |                                                                                                |                     |                         |                                                                      |                                         |
| Case Material                | Intrinsically safe explosion-proof construction (Ex ia IIC T4 Ga) , IP 66/68 (6.6ft, 1h) (2m, 1h)                                                                                                  |                                                                                                |                     |                         |                                                                      |                                         |
| Approvals                    | ATEX, IECEx, CSA                                                                                                                                                                                   |                                                                                                |                     |                         |                                                                      |                                         |
| Dimension & Weight           | 2.5" W x 1.6" H x .86" D (Approx 63 mm W x 42mm H x 22mm D) , 1.6 ounces (approx. 45g)                                                                                                             |                                                                                                |                     |                         |                                                                      |                                         |
| Functions                    | Data logger, vibration, STEL alarm, TWA alarm, quick calibration, peak value display, temperature display                                                                                          |                                                                                                |                     |                         |                                                                      |                                         |
| Standard Accessories         | CR2450 coin-type lithium-ion battery, Spring pins (used to mount accessories on to the rear face), Watch band, Alligator clip                                                                      |                                                                                                |                     |                         |                                                                      |                                         |
| Optional Accessories         | Heat-resistant case, Dust filter, CF-1821 filter (for CO sensor), CF-A13i-1 humidity control filter (for H2S sensor), Calibration adapter                                                          |                                                                                                |                     |                         |                                                                      |                                         |

**Authorized Distributor:**

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