



**G**asBadge<sup>®</sup> Plus is a two-year, maintenance-free, single gas monitor ideal for personal protection from unsafe levels of oxygen, carbon monoxide, hydrogen sulfide, sulfur dioxide or nitrogen dioxide. The unit's compact size and light weight allow it to be worn comfortably with a variety of clip attachments, and the top-mounted sensor provides continuous and unobstructed protection even when placed in a shirt pocket.

The rugged ABS enclosure is extremely durable and resistant to water and radio frequency interference. A protective concussion-proof over-mold protects the unit from extreme abuse in a variety of harsh industrial environments. The large LCD display features a graphical interface and can be set up to show both gas type and direct gas readings, or just the gas type. The instrument's

two-button operation allows for easy navigation and setup, which can be password-protected for added safety.

Continuous event-logging is a standard feature for the GasBadge Plus with the past 15 alarm events recorded. An infrared interface can be used to print the event log from the instrument directly to an infrared printer, and a datalink accessory enables easy instrument configuration and data downloading.

- 2-year continuous monitoring
- Low cost O<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub> or NO<sub>2</sub> monitoring
- Audible, visual and vibrating alarms
- Backlit display
- PPM or % by volume readout
- "Go/No Go" display mode
- Confidence indicator
- User adjustable alarm and calibration gas setpoints
- Water resistant
- 2-year, all-inclusive warranty (with 1,000 alarm minutes)
- Event logging (last 15 gas alarm events)
- Cal Plus™ calibration station option
- Automatic self test plus user-activated test option

## SPECIFICATIONS

**CASE:** Rugged polycarbonate shell with protective concussion-proof over-mold. RFI resistant.

**IP RATING:** Water-resistant

**DIMENSIONS:** 3.2 x 1.9 x 1.1 inches  
(82 mm x 48 mm x 28 mm)

**WEIGHT:** 2.5 oz.(72 grams)

**SENSORS:** O<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>

**MEASURING RANGES:** O<sub>2</sub> range: 0-30% by volume in 0.1% increments  
CO range: 0-1,500 ppm in 1 ppm increments  
H<sub>2</sub>S range: 0-500 ppm in 0.1 ppm increments  
SO<sub>2</sub> range: 0-150 ppm in 0.1 ppm increments  
NO<sub>2</sub> range: 0-150 ppm in 0.1 ppm increments

**DISPLAY:** Custom LCD with graphical icons for easy use.  
Segmented display for direct gas readings.  
Backlight for low light conditions.  
"Go/No Go" display mode  
Peak Reading Indication

**ALARMS:** User selectable low and high alarms  
Ultra bright LEDs, loud audible alarm (95 dB) and vibrating alarm

**BATTERY:** Li-ion battery (non-replaceable)  
2-year continuous, maintenance-free operation with 1,000 minutes of alarm time.

**EVENT-LOGGER:** Continually on. Logs last 15 alarm events, stamping how long ago the event occurred, the duration of the event, and the peak reading seen during the event. Event-logger can be viewed on PC or printed directly from the instrument to an infrared printer.

**TEMPERATURE RANGE:** -40° to 60°C (-40° to 140°F)

**HUMIDITY RANGE:** 0-100% RH (non-condensing), typical

**APPROVALS:** UL: Class I, DIV 1, GROUPS A,B,C,D; T4  
Class I, Zone 0, AEx ia IIC T4 (pending)  
CSA: Class I, DIV 1, GROUPS A,B,C,D; T4  
Ex ia IIC T4 (pending)

ATEX: Intrinsic Safety: EEx ia I/IIC T4 (pending)  
Equipment group and Category: II 1G I M2  
EMC: EN50270 (pending)

Performance: O<sub>2</sub> (EN50104); CO, H<sub>2</sub>S, (EN45544) (pending)  
Australia: Ex ia I/IIC T4 (pending)  
IEC: Ex ia I/IIC T4 (pending)  
Russia: GOST-R Approval (pending)  
MSHA: Intrinsically safe for methane/air mixtures only (pending)