

# GasBadge Plus

## Dockable Single Gas Monitor

GasBadge® Plus is a two-year, maintenance-free, single gas monitor ideal for personal protection from unsafe levels of carbon monoxide, hydrogen sulfide, oxygen, nitrogen dioxide or sulfur 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.



- Low-cost CO, H<sub>2</sub>S, O<sub>2</sub>, NO<sub>2</sub> or SO<sub>2</sub> monitoring
- 2-year continuous monitoring
- PPM or % by volume readout
- Extremely water resistant – third-party certified IP66/67
- Powerful audible alarm complemented by vibrating and visual alarms, standard
- Backlit display
- “Go/No Go” display mode
- User adjustable alarm and calibration gas setpoints
- Confidence indicator
- 2-year warranty
- Automatic self test and user-activated test
- Event-logging (last 15 gas alarm events)
- Cal Plus™ calibration station option

The rugged enclosure is extremely durable and resistant to water and radio frequency interference. A protective concussion-proof overmold 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 security.

Continuous event-logging is a standard feature for the GasBadge Plus with the past 15 alarm events recorded. Optional Cal Plus™ calibration station and datalink accessories enable easy instrument maintenance, configuration and data downloading.



vibration



noise



INVESTOR IN PEOPLE



**Castle**  
advanced sound solutions



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## Specification

<b>CASE:</b>	Rugged, water-resistant polycarbonate shell with protective concussion-proof overmold. RFI resistant.
<b>DIMENSIONS:</b>	3.2 x 1.9 x 1.1 inches (81.3 mm x 48.3 mm x 27.9 mm)
<b>WEIGHT:</b>	2.5 oz. (72 grams)
<b>SENSORS:</b>	CO, H2S, O2, NO2, SO2
<b>MEASURING RANGES:</b>	CO range: 0-1,500 ppm in 1 ppm increments H2S range: 0-500 ppm in 0.1 ppm increments O2 range: 0-30% by volume in 0.1% increments NO2 range: 0-150 ppm in 0.1 ppm increments SO2 range: 0-150 ppm in 0.1 ppm increments
<b>DISPLAY:</b>	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
<b>ALARMS:</b>	User selectable low and high alarms Ultra-bright LEDs, loud audible alarm (95 dB) and vibrating alarm
<b>BATTERY/RUNTIME:</b>	Lithium, non-replaceable Maintenance-free operation for 2 years
<b>EVENT-LOGGER:</b>	Continually on. Logs last 15 alarm events, stamping how long ago the event occurred, the duration of 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.
<b>TEMPERATURE RANGE:</b>	-40° to 60°C (-40° to 140°F), typical
<b>HUMIDITY RANGE:</b>	0-99% RH (non-condensing), typical
<b>IP RATING:</b>	Third-party certified IP66/67 (water resistant)
<b>APPROVALS:</b>	
UL and cUL:	Class I, Div 1, Groups A,B,C,D; T4 Class I, Zone 0, AEx ia IIC T4
CSA:	Class I, Div 1, Groups A,B,C,D; T4 Ex ia IIC T4
ATEX:	Intrinsic Safety: EEx ia I/II C T4 Equipment group and Category: II 2G; I M2 EMC: EN50270
Performance:	O2 (EN50104); CO, H2S, (EN45544) [pending]
Australia:	Ex ia I/II C T4 [pending]
IEC:	Ex ia IIC T4
Russia:	GOST-R Approval [pending]

## GASBADGE® PLUS MONITORS AND OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
18100050-1	GasBadge® Plus – Carbon Monoxide (CO)
18100050-2	GasBadge® Plus – Hydrogen Sulphide (H2S)
18100050-3	GasBadge® Plus – Oxygen (O2)
18100050-4	GasBadge® Plus – Nitrogen Dioxide (NO2)
18100050-5	GasBadge® Plus – Sulphur Dioxide (SO2)
18106500	GasBadge® Constant-Flow Hand Aspirated Pump
17121963	GasBadge® Neck Lanyard w/Safety Release
18106401	GasBadge® Plus Nylon Carrying Case
18106419	GasBadge® Plus 2-unit Nylon Carrying Case
17124504	Replacement water/dust sensor barriers (5 count)
18106260	GasBadge® Datalink
18106344-0X+	Cal Plus™ Calibration Station [calibration gas and regulator not included]
18106344-1X+	Cal Plus™ Calibration Station w/on-board dot matrix printer (calibration gas and regulator not included)
17117714	Serial data thermal printer with infrared interface (battery powered only)
17117722	Serial data dot matrix printer, 120 VAC powered

+ Ordering Information – X = Power Cord [0 (North America), 1 (United Kingdom), 2 (European), 3 (Australian)]

All GasBadge® Plus Monitors Include: attached suspender clip, stainless steel belt clip, calibration adapter and tubing, and operating instructions.

### CalPlus Calibration Station

- Stand-alone operation – no PC is required
- Simple, push-button calibration or function (bump) testing
- Immediate report generation
- Built-in printer option

### GasBadge Datalink

- Instantly download alarm events and instrument details
- Quickly and easily configure instrument preferences

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