



- Low-cost CO, H₂S, O₂, NO₂ or SO₂ monitoring
- 1-year continuous monitoring
- PPM or % by volume readout
- Extremely water resistant – third-party certified IP66/67
- Audible, vibrating and visual alarms
- 1-year warranty
- Automatic self test and user-activated test
- Docking Station™ and iNet™ Compatible

GasBadge® Plus is a one-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.

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. One year warranty.

SPECIFICATION

Case:

Rugged, water-resistant polycarbonate shell with protective concussion-proof overmold. RFI resistant.

Dimensions:

81.3 mm x 48.3 mm x 27.9 mm (3.2 h x 1.9 w x 1.1" d)

Weight:

72 g (2.5 oz.)

Sensors:

CO, H₂S, O₂, NO₂, SO₂

Measuring Ranges:

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

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:

Vibrating, 95 dB audible and ultra-bright LED visual alarms. High/low, STEL, TWA and low battery alarms.

Battery Runtime:

Lithium, non-replaceable

Runtime:

Maintenance-free operation for 1 year

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), typical

Humidity Range:

0-99% RH (non-condensing), typical

IP Rating:

Third-party certified IP66/67

Approvals:

UL and cUL: Class I, Div 1, Groups A,B,C,D; T4
 Class I, Zone 0, AEx ia IIC T4; Class II, Groups E,F,G
 CSA: Class I, Div 1, Groups A,B,C,D; T4; Ex ia IIC T4
 ATEX: Ex ia I Ma/Ex ia IIC T4 Ga
 Equipment group and Category: : I M1 and II 1G
 EMC: EN50270
 ANZEx: Ex ia I/IIC T4
 IECEX: Ex ia IIC T4
 China: Ex ia I/IIC T4
 KOSHA: Ex ia IIC T4
 MSHA: Intrinsically safe for methane/air mixtures only

PART NUMBER	DESCRIPTION
18100050-1	GasBadge® Plus – Carbon Monoxide (CO)
18100050-2	GasBadge® Plus – Hydrogen Sulfide (H ₂ S)
18100050-3	GasBadge® Plus – Oxygen (O ₂)
18100050-4	GasBadge® Plus – Nitrogen Dioxide (NO ₂)
18100050-5	GasBadge® Plus – Sulfur Dioxide (SO ₂)
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
18107698-ABC+	DS2 Instrument Docking Station™ (IDS) for GasBadge® Plus A = Wireless Option (currently unavailable) [0 (none)] B = number of iGas Readers C = Power Cord Power Cord Option (0 – US, 1 – UK, 2 – EU, 3 – AUS, 4 – ITA, 5 – DEN, 6 – SWZ)
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

* Cal Plus™ Ordering Information – X = Power Cord (0 – US, 1 – UK, 2 – EU, 3 – AUS)

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



CAI-⁺ Plus



Cal Plus™ Calibration Station w/on-board dot matrix printer



2-unit Nylon Carrying Case

Nylon Carrying Case



- Stand-alone Instrument Docking Stations (IDS) available for use with all GasBadge® Plus gas monitors
- Link up to 100 IDS modules – dock thousands of instruments
- Automatic instrument calibration, record keeping, diagnostics and recharging
- Utilizes one central database
- Multilingual display



GASBADGE[®] DATALINK

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



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