

GASBADGE^{PLUS}

Personal Single Gas Monitor

Monitor shown actual size



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.

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. Two year warranty.

- Low-cost CO, H₂S, O₂, NO₂ or SO₂ monitoring
- 2-year continuous monitoring
- PPM or % by volume readout
- Docking Station[™] and iNet[™] compatible
- 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)

SPECIFICATIONS

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

DIMENSIONS: 3.2 x 1.9 x 1.1 inches
(81.3 mm x 48.3 mm x 27.9 mm)

WEIGHT: 2.5 oz. (72 grams)

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

BATTERY/ RUNTIME: Lithium, non-replaceable
Maintenance-free operation for 2 years

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 (water resistant)

APPROVALS:

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/IIC T4
Equipment group and Category: II 1G; I M2
EMC: EN50270

Performance: O₂ (EN50104); CO, H₂S, (EN45544) (pending)

Australia: Ex ia I/IIC T4

IEC: Ex ia IIC T4

Russia: GOST-R Approval (pending)

MSHA: Intrinsically safe for methane/air mixtures only

GASBADGE^{PLUS}

GASBADGE[®] PLUS MONITORS AND OPTIONAL ACCESSORIES

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
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

+ DS2 Docking Station Ordering Information

A = Wireless Option (currently unavailable) [0 (none)]

B = number of iGas Readers

C = Power Cord [0 (North America), 1 (United Kingdom), 2 (Europe), 3 (Australia), 4 (Italy), 5 (Denmark), 6 (Switzerland)]

* **Cal Plus™ Ordering Information** – X = Power Cord [0 (North America), 1 (United Kingdom), 2 (Europe), 3 (Australia)]

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



- Stand-alone Instrument Docking Stations (IDS) available for use with all GasBadge[®] Pro 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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