

# GASBADGE<sup>PLUS</sup><sup>®</sup>

## Personal Single Gas Monitor

Monitor shown actual size



[www.GasBadge.com](http://www.GasBadge.com)

**G**asBadge<sup>®</sup> 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<sup>™</sup> calibration station and datalink accessories enable easy instrument maintenance, configuration and data downloading. Two year warranty.

- 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
- 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
- Water resistant
- 2-year warranty
- Automatic self test and user-activated test
- Event-logging (last 15 gas alarm events)
- Cal Plus<sup>™</sup> calibration station option

## 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, H<sub>2</sub>S, O<sub>2</sub>, NO<sub>2</sub>, SO<sub>2</sub>

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

### 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 (pending)

ATEX: Intrinsic Safety: EEx ia IIC T4  
Equipment group and Category: II 2G  
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)

# GASBADGE<sup>PLUS</sup>

## GASBADGE<sup>®</sup> PLUS MONITORS AND OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
18100050-1	GasBadge <sup>®</sup> Plus – Carbon Monoxide (CO)
18100050-2	GasBadge <sup>®</sup> Plus – Hydrogen Sulfide (H <sub>2</sub> S)
18100050-3	GasBadge <sup>®</sup> Plus – Oxygen (O <sub>2</sub> )
18100050-4	GasBadge <sup>®</sup> Plus – Nitrogen Dioxide (NO <sub>2</sub> )
18100050-5	GasBadge <sup>®</sup> Plus – Sulfur Dioxide (SO <sub>2</sub> )
18106500	GasBadge <sup>®</sup> Constant-Flow Hand Aspirated Pump
17121963	GasBadge <sup>®</sup> Neck Lanyard w/Safety Release
18106401	GasBadge <sup>®</sup> Plus Nylon Carrying Case
18106419	GasBadge <sup>®</sup> Plus 2-unit Nylon Carrying Case
17124504	Replacement water/dust sensor barriers (5 count)
18106260	GasBadge <sup>®</sup> Datalink
18106344-0X+	Cal Plus <sup>™</sup> Calibration Station (calibration gas and regulator not included)
18106344-1X+	Cal Plus <sup>™</sup> 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
18100701	Calibration Gas – Carbon Monoxide, 100 ppm, 34L
18104984	Calibration Gas – Hydrogen Sulfide, 25 ppm, 34L
18100271	Calibration Gas – Oxygen, 20.9%, 34L
18104976	Calibration Gas – Nitrogen Dioxide, 5 ppm, 34L
18104992	Calibration Gas – Sulfur Dioxide, 5 ppm, 34L
17124348	Wall mounted gas cylinder holder
18100933	Regulator for CO, O <sub>2</sub>
18100883	Regulator for H <sub>2</sub> S, NO <sub>2</sub> , SO <sub>2</sub>
18103564	Demand Flow Regulator for CO, O <sub>2</sub> (for use with Cal Plus <sup>™</sup> )
18102509	Demand Flow Regulator for H <sub>2</sub> S, SO <sub>2</sub> , NO <sub>2</sub> (for use with Cal Plus <sup>™</sup> )

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

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



Cal Plus<sup>™</sup> shown with built-in printer option for immediate report documentation

### CALPLUS<sup>™</sup> Calibration Station

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

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### GASBADGE<sup>®</sup> DATALINK

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

**INDUSTRIAL SCIENTIFIC  
CORPORATION**

1001 Oakdale Road, Oakdale, PA 15071-1500

(412) 788-4353 Toll Free: 1-800-DETECTS Fax: (412) 788-8353 [www.indsci.com](http://www.indsci.com) e-mail: [info@indsci.com](mailto:info@indsci.com)

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