



- Interchangeable “smart” sensors monitor oxygen or any one of many toxic gases
- One year datalogging capacity (minimum)
- Standard STEL and TWA
- DSX™ Docking Station compatible

Built to Industrial Scientific's highest quality and reliability standards, GasBadge® Pro provides a lifetime of gas hazard protection with more features than any other single gas monitor available. Interchangeable “smart” sensors enable the GasBadge Pro to be quickly adapted to monitor unsafe levels of oxygen or any one of the following toxic gases: carbon monoxide, hydrogen sulfide, nitrogen dioxide, sulfur dioxide, chlorine, chlorine dioxide, phosphine, ammonia, hydrogen cyanide and hydrogen.

GasBadge Pro communicates directly via an infrared interface to optional accessories like the DSX™ Docking Station, Datalink and infrared printer to further simplify and automate calibration, function (bump) testing and data downloading. Standard STEL and TWA readings, and datalogging of up to one year of survey data are featured along with an event-logger that records the past 15 alarm events.

Housed in a rugged enclosure, the monitor is immune to RF, water resistant and extremely durable. A protective concussion-proof overmold protects the unit from extreme abuse in a variety of harsh industrial environments. Its simple and intuitive four-button navigation allows easy access to setup, operation and calibration functions.

### SPECIFICATION

#### INSTRUMENT WARRANTY:

Warranted for as long as the instrument is supported by Industrial Scientific Corporation.

#### CASE:

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

#### DIMENSIONS:

9.4 cm x 5.08 mm x 2.79 mm (3.7" x 2" x 1.1")

#### WEIGHT:

85 g (3 oz.)

#### SENSORS:

CO, H<sub>2</sub>S, O<sub>2</sub>, NO<sub>2</sub>, SO<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, ClO<sub>2</sub>, PH<sub>3</sub>, HCN, H<sub>2</sub>, CO/H<sub>2</sub> Null

#### MEASURING RANGES:

CO: 0-1,500 ppm in 1 ppm increments  
 H<sub>2</sub>S: 0-500 ppm in 0.1 ppm increments  
 O<sub>2</sub>: 0-30% by volume in 0.1% increments  
 NO<sub>2</sub>: 0-150 ppm in 0.1 ppm increments  
 SO<sub>2</sub>: 0-150 ppm in 0.1 ppm increments  
 NH<sub>3</sub>: 0-500 ppm in 1 ppm increments  
 Cl<sub>2</sub>: 0-100 ppm in 0.1 ppm increments  
 ClO<sub>2</sub>: 0-1 ppm in 0.01 ppm increments  
 PH<sub>3</sub>: 0-10 ppm in 0.01 ppm increments  
 HCN: 0-30 ppm in 0.1 ppm increments  
 H<sub>2</sub>: 0-2,000 ppm in 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:

User replaceable 3V, CR2 Lithium battery, 2,600 hour run time, typical

#### DATALOGGING:

1 year continuous storage of data.

#### 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 IP64

#### CERTIFICATIONS:

UL/cUL: Class I, Groups A,B,C,D T4; Class II, Groups E,F,G;  
 Class I, Zone 0, AEx ia IIC T4  
 CSA: Class I, Groups A B C D T4; Ex ia IIC T4  
 ATEX: Ex ia I/Ex ia IIC T4; Equipment Group and Category: I M1/II 1G  
 IECEX: Ex ia I/IIIC T4  
 ANZEx: Ex ia I/IIIC T4  
 INMETRO: Ex ia I Ma; Ex ia IIC T4 Ga  
 China EX: Ex ia I/IIIC T4  
 KOSHA: Ex ia I/IIIC T4

Standard GasBadge<sup>®</sup> Pro configurations are listed below. To order the MSHA-approved version, add an "M" as a suffix to the part number. To order the Australian-approved version, add an "A" as a suffix to the part number.

PART NO.	DESCRIPTION
18100060-1	GasBadge <sup>®</sup> Pro – Carbon Monoxide (CO)
18100060-2	GasBadge <sup>®</sup> Pro – Hydrogen Sulfide (H <sub>2</sub> S)
18100060-3	GasBadge <sup>®</sup> Pro – Oxygen (O <sub>2</sub> )
18100060-4	GasBadge <sup>®</sup> Pro – Nitrogen Dioxide (NO <sub>2</sub> )
18100060-5	GasBadge <sup>®</sup> Pro – Sulfur Dioxide (SO <sub>2</sub> )
18100060-6	GasBadge <sup>®</sup> Pro – Ammonia (NH <sub>3</sub> )
18100060-7	GasBadge <sup>®</sup> Pro – Chlorine (Cl <sub>2</sub> )
18100060-8	GasBadge <sup>®</sup> Pro – Chlorine Dioxide (ClO <sub>2</sub> )
18100060-9	GasBadge <sup>®</sup> Pro – Phosphine (PH <sub>3</sub> )
18100060-B	GasBadge <sup>®</sup> Pro – Hydrogen Cyanide (HCN)
18100060-C	GasBadge <sup>®</sup> Pro – Hydrogen (H <sub>2</sub> )
18100060-G	GasBadge <sup>®</sup> Pro – Carbon Monoxide/Low Hydrogen Interference (CO/H <sub>2</sub> Null)
<b>OPTIONAL ACCESSORIES</b>	
18109331-ABC -ABC	DSX™ Docking Station for GasBadge <sup>®</sup> Pro A – DSX Mode: 0 = DSX Standalone 1 = DSXi Cloud-connected 2 = DSX-L Local Server B – Number of Gas Inlet Ports: 3 = 3 Ports 6 = 6 Ports C – Power Cord Type: 0 = None, 1 = North America, 2 = Europe, 3 = Australia, 4 = UK
18106260	GasBadge <sup>®</sup> Datalink - Software included
17121963	GasBadge <sup>®</sup> Neck Lanyard w/Safety Release
18106484	GasBadge <sup>®</sup> Pro Nylon Carrying Case
18106492	GasBadge <sup>®</sup> Pro 2-unit Nylon Carrying Case
17124504	Replacement water/dust sensor barriers (5 count)
17124033	Calibration Cup, GasBadge <sup>®</sup> Plus/Pro
18106674	Co Breath Sampler for GasBadge <sup>®</sup> Pro Monitor
17123019	Lithium Battery, 3V, GasBadge <sup>®</sup> Pro

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

## DSX<sup>™</sup> DOCKING STATION

The DSX<sup>™</sup> Docking Station easily maintains the gas detectors that keep your people safe in hazardous environments.



- Know that your gas detectors are ready for use every day, every shift, without the burden of manual maintenance routines.
- Stop worrying about calibration gas and let the DSX monitor and order replacement gas cylinders when you need them.
- Effortlessly manage your fleet, data, and software updates from any web-enabled device.



## GASBADGE<sup>®</sup> DATALINK

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



**Nylon  
Carrying  
Case**



GBPRO\_EN\_REV 0415

For any further information please contact us.  
Tel: +44 (0)845 9000 601 or visit our website.