



- Interchangeable “smart” sensors monitor oxygen or any one of many toxic gases
- One year datalogging capacity (minimum)
- Standard STEL and TWA
- 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 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 eventlogger 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.

Wed. [www.indsci.com](http://www.indsci.com)

### 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.)

#### Sensor s:

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>, H<sub>2</sub>, CO/H<sub>2</sub> Null

#### Measuring Ranges:

CO: 01,500 ppm in 1 ppm increments  
 H<sub>2</sub>S: 0500 ppm in 0.1 ppm increments  
 O<sub>2</sub>: 030% by volume in 0.1% increments  
 NO<sub>2</sub>: 0150 ppm in 0.1 ppm increments  
 SO<sub>2</sub>: 0150 ppm in 0.1 ppm increments  
 NH<sub>3</sub>: 0500 ppm in 1 ppm increments  
 Cl<sub>2</sub>: 0100 ppm in 0.1 ppm increments  
 ClO<sub>2</sub>: 01 ppm in 0.01 ppm increments  
 PH<sub>3</sub>: 010 ppm in 0.01 ppm increments  
 HCN: 030 ppm in 0.1 ppm increments  
 H<sub>2</sub>: 02,000 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  
 Ultrabright LEDs, loud audible alarm (95 dB) and vibrating alarm

#### Battery Run Time:

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

#### Data Logging:

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. Eventlogger 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:

099% RH (noncondensing), typical

#### IP Rating:

Thirdparty 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/IIC T4  
 ANZEX: Ex ia I/IIC T4  
 INMETRO: BR Ex ia IIC T4  
 China EX: Ex ia I/IIC T4  
 KOSHA: Ex ia I/IIC T4



- Standalone Instrument Docking Stations (IDS) available for use with all GasBadge<sup>®</sup> Pro gas monitors
- Link up to 100 IDS modules – dock thousands of instruments
- Graphical user interface to monitor facility-wide network
- Automatic instrument calibration, record keeping, diagnostics and recharging
- Utilizes one central database
- Multilingual display



### GASBADGE<sup>®</sup> DATALINK

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



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part no.	Description
181000601	GasBadge <sup>®</sup> Pro – Carbon Monoxide (CO)
181000602	GasBadge <sup>®</sup> Pro – Hydrogen Sulfide (H <sub>2</sub> S)
181000603	GasBadge <sup>®</sup> Pro – Oxygen (O <sub>2</sub> )
181000604	GasBadge <sup>®</sup> Pro – Nitrogen Dioxide (NO <sub>2</sub> )
181000605	GasBadge <sup>®</sup> Pro – Sulfur Dioxide (SO <sub>2</sub> )
181000606	GasBadge <sup>®</sup> Pro – Ammonia (NH <sub>3</sub> )
181000607	GasBadge <sup>®</sup> Pro – Chlorine (Cl <sub>2</sub> )
181000608	GasBadge <sup>®</sup> Pro – Chlorine Dioxide (ClO <sub>2</sub> )
181000609	GasBadge <sup>®</sup> Pro – Phosphine (PH <sub>3</sub> )
18100060B	GasBadge <sup>®</sup> Pro – Hydrogen Cyanide (HCN)
18100060C	GasBadge <sup>®</sup> Pro – Hydrogen (H <sub>2</sub> )
18100060G	GasBadge <sup>®</sup> Pro – Carbon Monoxide/Low Hydrogen Interference (CO/H <sub>2</sub> Null)
<b>Optional Accessories</b>	
18106302ABC	GasBadge <sup>®</sup> Pro DS2 Docking Station™ <b>Ordering Information</b> A = Wireless Option (currently unavailable) 0 – none B = number of iGas <sup>®</sup> Readers 0 – none 1 = 1 iGas Reader 2 = 2 iGas Readers 3 = 3 iGas Readers C = Power Cord Option (0 – US, 1 – UK, 2 – EU, 3 – AUS, 4 – ITA, 5 – DEN, 6 – SWZ)
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 2unit 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.



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