

# GasBadge Pro

## Dockable Single Gas Monitor

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 and ammonia.



- Interchangeable "smart" sensors monitor oxygen or any one of many toxic gases
- One year datalogging capacity (minimum)
- Standard STEL and TWA
- Docking Station™ compatible
- Lifetime warranty
- Minimum 2,600 hours continuous operation from replaceable CR2 Lithium battery
- Powerful audible alarm complemented by vibrating and visual alarms, standard
- Backlit display
- PPM or % by volume readout
- "Go/No Go" display mode
- User adjustable alarm and calibration gas setpoints
- Water resistant



vibration



noise



INVESTOR IN PEOPLE



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 fourbutton navigation allows easy access to setup, operation and calibration functions.

## Specifications

<b>CASE:</b>	Rugged, water-resistant polycarbonate shell with protective concussion-proof overmold. RFI resistant.
<b>DIMENSIONS:</b>	3.7 x 2 x 1.1 inches (94 mm x 50.8 mm x 27.9 mm)
<b>WEIGHT:</b>	3 oz. (85 grams)
<b>SENSORS:</b>	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>
<b>MEASURING RANGES:</b>	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 NH <sub>3</sub> range: 0-100 ppm in 1 ppm increments Cl <sub>2</sub> range: 0-100 ppm in 0.1 ppm increments ClO <sub>2</sub> range: 0-1 ppm in 0.01 ppm increments PH <sub>3</sub> range: 0-10 ppm in 0.01 ppm increments
<b>DISPLAY:</b>	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
<b>ALARMS:</b>	User selectable low and high alarms Ultra-bright LEDs, loud audible alarm (95 dB) and vibrating alarm
<b>BATTERY/RUNTIME:</b>	User replaceable 3V, CR2 Lithium battery 2,600 hour run time (minimum)
<b>EVENT-LOGGER:</b>	Continually on. Logs last 15 alarm events, stamping how long ago the event occurred, the duration of 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.
<b>DATALOGGER:</b>	One year at one-minute intervals
<b>TEMPERATURE RANGE:</b>	-40° to 60°C (-40° to 140°F), typical
<b>HUMIDITY RANGE:</b>	0-99% RH (non-condensing), typical
<b>APPROVALS:</b>	
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 I/IIC T4 Equipment group and Category: II 2G; I M2 EMC: EN50270
Performance:	O <sub>2</sub> [EN50104]; CO, H <sub>2</sub> S, [EN45544] (pending)
Australia:	Ex ia I/IIC T4 (pending)
IEC:	Ex ia IIC T4
Russia:	GOST-R Approval (pending)

## GASBADGE® PRO MONITORS AND OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
18100060-1	GasBadge® Pro - Carbon Monoxide (CO)
18100060-2	GasBadge® Pro - Hydrogen Sulfide (H <sub>2</sub> S)
18100060-3	GasBadge® Pro - Oxygen (O <sub>2</sub> )
18100060-4	GasBadge® Pro - Nitrogen Dioxide (NO <sub>2</sub> )
18100060-5	GasBadge® Pro - Sulfur Dioxide (SO <sub>2</sub> )
18100060-6	GasBadge® Pro - Ammonia (NH <sub>3</sub> )
18100060-7	GasBadge® Pro - Chlorine (Cl <sub>2</sub> )
18100060-8	GasBadge® Pro - Chlorine Dioxide (ClO <sub>2</sub> )
18100060-9	GasBadge® Pro - Phosphine (PH <sub>3</sub> )
18106500	GasBadge® Constant-Flow Hand Aspirated Pump
17121963	GasBadge® Neck Lanyard w/ Safety Release
18106484	GasBadge® Pro Nylon Carrying Case
18106492	GasBadge® Pro 2-unit Nylon Carrying Case
17124504	Replacement water/dust sensor barriers (5 count)
18106260	GasBadge® Datalink
18106302-AB+	GasBadge® Pro DS2 Docking Station™
17117714	Serial data thermal printer with infrared interface (battery powered only)

+ Ordering Information - A = Wireless Compact Flash (0 - none, 1 - installed)  
B = number of iGas Readers

All GasBadge® Pro Monitors Include: attached suspender clip, stainless steel belt clip, calibration adapter and tubing, and operating instructions.

## DS2 Docking Station

- 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
- Graphical user interface to monitor facility-wide network
- 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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