GASBADGE PRO®

DOCKABLE SINGLE GAS MONITOR

- 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_2S, O_2, NO_2, SO_2, NH_3, Cl_2, ClO_2, PH_3, HCN, H_2, CO/H_2 Null

MEASURING RANGES:
CO:	0-1,500 ppm in 1 ppm increments
H_2S:	0-500 ppm in 0.1 ppm increments
O_2:	0-30% by volume in 0.1% increments
NO_2:	0-150 ppm in 0.1 ppm increments
SO_2:	0-150 ppm in 0.1 ppm increments
NH_3:	0-500 ppm in 1 ppm increments
Cl_2:	0-100 ppm in 0.1 ppm increments
ClO_2:	0-1 ppm in 0.01 ppm increments
PH_3:	0-10 ppm in 0.01 ppm increments
HCN:	0-30 ppm in 0.1 ppm increments
H_2:	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/IIC T4
ANZEx:	Ex ia I/IIC T4
INMETRO:	Ex ia I Ma; Ex ia IIC T4 Ga
China EX:	Ex ia I/IIC T4
KOSHA:	Ex ia I/IIC T4

The Gas Detection People

INDUSTRIAL SCIENTIFIC

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GASBADGE PRO®

Standard GasBadge® 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® Pro – Carbon Monoxide (CO)
18100060-2	GasBadge® Pro – Hydrogen Sulfide (H_2S)
18100060-3	GasBadge® Pro – Oxygen (O_2)
18100060-4	GasBadge® Pro – Nitrogen Dioxide (NO_2)
18100060-5	GasBadge® Pro – Sulfur Dioxide (SO_2)
18100060-6	GasBadge® Pro – Ammonia (NH_3)
18100060-7	GasBadge® Pro – Chlorine (Cl_2)
18100060-8	GasBadge® Pro – Chlorine Dioxide (ClO_2)
18100060-9	GasBadge® Pro – Phosphine (PH_3)
18100060-B	GasBadge® Pro – Hydrogen Cyanide (HCN)
18100060-C	GasBadge® Pro – Hydrogen (H_2)
18100060-G	GasBadge® Pro – Carbon Monoxide/Low Hydrogen Interference (CO/H_2 Null)
OPTIONAL ACCESSORIES	
18109331-ABC -ABC	DSX™ Docking Station for GasBadge® 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® Datalink - Software included
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)
17124033	Calibration Cup, GasBadge® Plus/Pro
18106674	Co Breath Sampler for GasBadge® Pro Monitor
17123019	Lithium Battery, 3V, GasBadge® Pro

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

DSX DOCKING STATION™

The DSX™ 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® DATALINK

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

Nylon Carrying Case

OHSAS 18001 Certified   ISO 9001 Certified   ISO 14001 Certified

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