GASBADGE PRO ®

- Interchangeable "smart" sensors monitor oxygen or any one of many toxic gases
- One-year data logging capacity (minimum)
- Standard STEL and TWA
- iNet® ready and 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. It's simple and intuitive four-button navigation allows easy access to setup, operation and calibration functions.

SPECIFICATIONS

INSTRUMENT WARRANTY
Guaranteed for Life™ – Instrument is warranted for as long as supported by Industrial Scientific Corporation (excluding sensors, batteries, and filters). CO, H_2S, and O_2 sensors are warranted for 2 years. All other sensors warranted for 1 year

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

DIMENSIONS
9.4 x 5.08 x 2.79 mm (3.7 x 2 x 1.1 in)

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 Low

MEASURING RANGES

CO:	0-1,500 ppm in 1 ppm increments
CO/H_2 low:	0-1,500 ppm in 1 ppm increments
H_2S:	0-500 ppm in 0.1 ppm increments
O_2:	0-30% by vol 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 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. Event-logger can be viewed on PC or printed directly from the instrument to an infrared printer.

TEMPERATURE RANGE
-40 ºC to 60 ºC (-40 ºF to 140 ºF), typical

HUMIDITY RANGE
0% to 99% RH (non-condensing), typical

IP RATING
Third-party certified IP64

CERTIFICATIONS

ANZEx:	Ex ia I/IIC T4
ATEX:	Ex ia I/Ex ia IIC T4; Equipment Group/Category I M1/II 1G
China Ex:	Ex ia I/IIC T4
CMA:	Ex ia I
CSA:	Cl I, Gr A-D, T4; Ex ia IIC T4
KC:	Ex ia I/IIC T4
IECEx:	Ex ia I/IIC T4
INMETRO:	Ex ia IIC T4
UL:	Cl I, Div 1, Gr A-D, T4; Cl II, Gr E-G

INDUSTRIAL SCIENTIFIC

Standard GasBadge® Pro configurations are listed below.

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 Low)

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: 1 = North America, 2 = Europe,
	    3 = Australia, 4 = UK

18106260	GasBadge Datalink – software included
17121963	GasBadge neck lanyard with 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 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

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www.indsci.com/gasbadgepro