GasBadge® Pro

Dockable Single Gas Monitor

Monitor shown actual size

iNet READY

Dock Me DOCKING STATION COMPATIBLE

www.GasBadge.com

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 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. Lifetime warranty.

- 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

SPECIFICATIONS

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

DIMENSIONS: 3.7 x 2 x 1.1 inches (94 mm x 50.8 mm x 27.9 mm)

WEIGHT: 3 oz. (85 grams)

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: 0-100 ppm in 1 ppm increments
Cl_2: 0-100 ppm in 0.1 ppm increments
ClO_2: 0-2 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 (minimum)

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.

DATALOGGER: One year at one-minute intervals

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

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

APPROVALS:
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
ATEX: Intrinsic Safety: EEx ia I/IIC T4
Equipment group and Category: II 1G; I M2
EMC: EN50270
Performance: O_2 (EN50104); CO, H_2S, (EN45544) (pending)
Australia: Ex ia I/IIC T4
IEC: Ex ia IIC T4
Russia: GOST-R Approval (pending)
MSHA: Intrinsically safe for methane/air mixtures only (pending)

GasBadge® Pro

GASBADGE® PRO MONITORS AND OPTIONAL ACCESSORIES

PART NUMBER	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)
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-ABC+	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;
C = Power Cord (0 – US, 1 – UK, 2 – EU, 3 – AUS, 4 – ITA, 5 – DEN, 6 – SWZ)

All GasBadge® Pro Monitors Include: attached suspender clip, 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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