

Gas Badge Plus®

CASELLA CEL

Personal Gas Detectors



Instrument shown real size

Simple Personal Gas Monitoring

INTRODUCTION

Gas Badge® Plus is a two-year, maintenance-free, single gas monitor ideal for personal protection from unsafe levels of carbon monoxide, hydrogen sulphide, oxygen, nitrogen dioxide or sulphur dioxide. Compact and lightweight it can be worn comfortably with a variety of clip attachments, and the top mounted sensor provides continuous and unobstructed protection even when placed in a shirt pocket. The rugged enclosure is water resistant and designed to withstand use in a variety of harsh industrial environments.

The large LCD display shows both gas type and direct gas readings, or just the gas type. Continuous event-logging is a standard feature for the Gas Badge Plus with the past 15 alarm events recorded. Optional Cal Plus™ calibration station and datalink accessories enable easy instrument maintenance, configuration and data downloading. Supplied with two year warranty.

- **CO, H₂S, O₂, NO₂ or SO₂**
- **2 years continuous operation**
- **Water resistant IP 66 / 67**
- **Audible / vibrating alarm**
- **Backlit display**
- **“Go / No Go” display mode**
- **Automatic self test**
- **Event-logging**



Gas Badge Datalink

Instantly download alarm events and instrument details

Quickly and easily configure instrument



SPECIFICATIONS

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

DIMENSIONS: 3.2 x 1.9 x 1.1 inches (81.3 mm x 48.3 mm x 27.9 mm)

WEIGHT: 2.5 oz. (72 grams)

SENSORS: CO, H₂S, O₂, NO₂, SO₂

MEASURING RANGES: CO range: 0-1,500 ppm in 1 ppm increments
H₂S range: 0-500 ppm in 0.1 ppm increments
O₂ range: 0-30% by volume in 0.1% increments
NO₂ range: 0-150 ppm in 0.1 ppm increments
SO₂ range: 0-150 ppm in 0.1 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: Lithium, non-replaceable
Maintenance-free operation for 2 years

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 IP66/67 (water resistant)

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/II C T4
Equipment group and Category: II 1G; I M2
EMC: EN50270

Performance: O₂ (EN50104); CO, H₂S, (EN45544) (pending)

Australia: Ex ia I/II C T4

IEC: Ex ia IIC T4

Russia: GOST-R Approval (pending)

MSHA: Intrinsically safe for methane/air mixtures only

Ordering Information:

- J203001 GasBadge Plus - Carbon monoxide (CO) range 0 - 1500 ppm
- J203002 GasBadge Plus - Hydrogen sulphide (H₂S) range 0 - 500 ppm
- J203003 GasBadge Plus - Oxygen (O₂) range 0 - 30 %
- J203004 GasBadge Plus - Nitrogen dioxide (NO₂) range 0 - 150,0 ppm
- J203005 GasBadge Plus - Sulphur dioxide (SO₂) range 0 - 150,0 ppm

All units supplied with suspender clip, stainless steel belt clip, cal adaptor and instruction manual

Accessories:

- J203006 GasBadge® constant flow air aspirated pump
- J203007 Replacement water/dust filters (5 pieces)
- J203008 CO breath sampler for Gasbadge monitor
- J203009 CO breath sampler mouthpiece refills (5 pieces)
- J203010 GasBadge neck lanyard with safety release
- J203011 GasBadge® Plus Nylon Carrying Case
- J203012 GasBadge® Plus 2-unit Nylon Carrying Case
- J203013 GasBadge® Datalink
- J203014 CalPlus Calibration Station - UK version (Cal Gas & Reg not inc)
- J203015 CalPlus Calibration Station - European version (CalGas & reg not inc)
- J203016 CalPlus Calibration Station w/on-board dot matrix printer - EU version (Cal Gas & reg not inc)
- J203017 CalPlus Calibration Station w/on-board dot matrix printer - UK version (Cal Gas & reg not inc)
- J203018 Mcal or CalPlus print paper
- J203019 Serial data thermal printer with infrared interface (battery powered only)

Distributed By:

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