



PS200

Multi-Gas Detector



Rubber Boot (Various colour options available:- black, grey, yellow, red, orange, blue, green)

Detecting and displaying up to 4 gases simultaneously, the PS200 is suitable for providing gas detection in a host of applications across a variety of industries.

The PS200 can be configured to detect a combination of Methane, Oxygen, Carbon Monoxide, Hydrogen Sulphide, as well as other flammable gases.

A robust and accurate portable gas detector, the Personal Surveyor (PS200 Series) provides protection in confined space applications with audible and visual alarms in the event of exposure to flammable or toxic gases.

Pre-entry checking can be carried out with the optional internal sampling pump, and diffusion operation ensuring maximum battery life in confined spaces.

“GMI PS200 Marine multi 4 gas detector for sampling and gas detection especially suited to shipping and marine applications”

Gases analysed



KEY BENEFITS

- Fully certified
- Man-down alarm
- Internal pump (optional)
- Runtime up to 80 hours when using low power LEL sensor (optional)
- Sensor integrity checking
- Easy to maintain

Technical Specification

GENERAL

- Drop test: 3m
- IP67 rating

GAS	RANGES	INCREMENTS	SENSOR TYPE
LEL	0-100% LEL	1% LEL	Catalytic Bead
O ₂	0-25%	0.1%	Electrochemical
CO	0-1000ppm	1ppm	Electrochemical
H ₂ S	0-100ppm	1ppm	Electrochemical

POWER

- Lithium Ion rechargeable battery
- Run Time: Up to 80* / 14 hours (diffusion)
- Run Time: Up to 20* / 8 hours (pumped)
- Charging Time: < 4 hours

DATALOGGING

- Timed: 24 hours of timed logs at 1 log per minute
- Session: Minimum of 180 logs
- Calibration: Minimum of 8 calibration logs
- Bump Logs: Minimum of 180 logs

ALARMS

- Highly visible flashing LED
- Ultra loud audible alarm, 95dBA
- Vibrations

ENVIRONMENT

- Humidity:
 - 0 – 95% RH non-condensing
- Temperature:
 - 20°C to +50°C

WARRANTY

- 2 years as standard

PHYSICAL

- Dimensions:
 - 121 (H) x 59 (W) x 32 (D) mm
- Weight:
 - 230g (with pump)
 - 215g (without pump)

APPROVALS

- MED
 - (0038/YY) Modules B & E, A.1/3.30
- ATEX
 - Ex II 2G Ex ia IIC T4 Gb
- IEC
 - Ex ia d IIC T4 Gb
- CSA
 - Class I Div 1 Groups ABCD T4,
 - Class 1 Zone 1 Ex ia d IIC T4
- CE

Ordering Information

64141	PS200 4 Gas Detector with Pump
64041	PS200 4 Gas Detector Non-Pumped

Ordering Information and Accessories

Accessories supplied with the instrument

64260	Charging / Comms Clip
64247	Universal Power Plug (Mains – USB)
64190	User CD-ROM (Incl. Handbook)
64172	Quick Operating Instructions
66136	3m. Tubing complete with Quick Connector (pumped only)

Spare Parts

64254	Hydrophobic Filter
64084	Sample Inlet Filter
64825	LEL sensor (c/w Enhanced Filter)
66725	LEL sensor
66750	LEL sensor (Low Power)
64066	O ₂ sensor
64067	Dual Toxic CO/H ₂ S Sensor
64176	CO sensor
64128	H ₂ S sensor

Additional Accessories

- 64303 Rubber Boot - Various colour options available:- black, grey, yellow, red, orange, blue, green
- 66123 PS200 Hand Aspirator
- 66478 PS200 Hand Aspirator (c/w 3.0 metres Tygon Tubing)
- 66112 Sample Line Extender
- 66485 In-Line Hydrophobic Filter Assy
- 66545 PS200 Ball Float

Charging Accessories

- 64248 In-Vehicle Charging Adaptor (12V/24V – USB)

Automatic Bump/Calibration

- 64052 Auto Bump/Calibration Station (6mm. fittings & incl. PSU and USB stick with software)
- 64052Q Auto Bump/Calibration Station (1/4 in. fittings & incl. PSU and USB stick with software)
- 99118 Demand Flow Regulator
- 64265 Tubing with 6mm Push Fit Connector

Manual Bump/Field Calibration Kit

- 64051 Manual Bump Kit (no power required) (c/w Combi Test Gas 99146, Direct Flow Regulator, tubing & sample line connector)

Software

- 64197 Data downloading CD-ROM (Incl. Handbook)
- 64184 Auto Bump /Calibration Station USB Flash Drive (Incl. Handbook)

Documentation

- 64193 Configuration & Field Calibration Handbook (CD-ROM)



The multifunctional **Auto Bump/Calibration Station** enables data to be easily retrieved from the PS200 portable gas detector. Once the PS200 is placed in the dock it can be bump tested, calibrated and charged.

The ABC automated test station is easy to use, with a high performing user friendly design

- Simple operation using 6 step guide
- Full bump, calibration and charging options
- Bump/calibration results storage
- Stand-alone, PC and ethernet options

Technical Specification

- Size: 200 x 140 x 135mm
- Weight: 1.2kg
- Interfaces: Standalone /USB /Ethernet
- LED Indicators:
 - Power (Green)
 - Testing (Yellow)
 - Pass (Green)
 - Fail (Red)

- Testing Time:
 - Bump Test 60 secs
 - Calibration Test 90 secs
- Data Storage: >6000 Bump /Calibration results and between loads
- Power Supply: 12V dc, 2A
- Charging Time: <4 hrs
- Operating Temperature: -10°C to 40°C
- Gas Ports: 3 (Air, Combi Gas & Exhaust)

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