Gas detection just got personal

PS200 Series
Part of the Personal Surveyor range

- Simple 1-button operation
- Any combination of (LEL/O₂/CO/H₂S)
- Audible, visual and vibrating alarms
- Fully certified
- Internal pump (optional)
- Lightweight
- Sensor integrity checking
- Robust construction
- Ease of maintenance

Auto Bump & Calibration Station
- Simple user interface
- Full bump, calibration and charging options
- Bump/calibration results storage
- Stand-alone, PC or ethernet options
- Robust construction

Detection, Protection, Innovation

GMI. CONFIDENCE WHERE SAFETY IS CRITICAL. Gas Measurement Instruments designs, manufactures and markets a wide range of the highest quality proven personal portable and fixed gas monitoring systems. GMI is an international brand with a worldwide network of distributors and dedicated service centres ensuring fast and effective turnaround on instrument calibration and repair. Our uncompromising engineering excellence, established in over half a century of leadership, enables us to meet the exacting demands of industries where safety is critical. By building and maintaining strong relationships with our customers, GMI understands the unique challenges of the diverse markets we serve. Today, our proud heritage of pioneering gas leak monitors and detectors is shaping the future of GMI.
The PS200 Series detects all possible combinations of LEL, \(\text{O}_2\), CO, \(\text{H}_2\text{S}\), including single gas detection. In addition to displaying all gas readings simultaneously, the user can also initiate a manual test anytime. As standard, the product pack comes with a USB cable with universal adaptor that acts as a charger and communications lead - just like your mobile phone. An electronic copy of the user handbook is also included in the pack as standard.

Datalogging is a standard feature of all PS200 Series instruments and the internal memory can hold up to 180 bump test logs.

To compliment the PS200, the Auto Bump & Calibration Station has been designed to easily slip the instrument into place and the station begins to log results automatically, taking only 60 and 90 seconds respectively. You have options to use the station as a stand-alone device from which you can easily download data to be retrieved and viewed in a user-friendly, time-logged format. This information may then be saved to provide a permanent historical record. Stored in column format, records can be easily transferred to spreadsheet packages.

The PS200 accessory pack includes the following as standard:- Charging/Comms Clip, Universal Power Plug, User CD-ROM, Quick Operating Instructions and 3m. Tubing complete with Quick Connector (pumped only).
PS200 Series

Simple User Maintenance

- Quick access to filters and sensors
- No special tools required
- Modular construction
- Easy calibration

- Sensor grille (with captive screw)
- Hydrophobic filter
- Sample quick connect
- Sample inlet filter
- LEL sensor
- O₂ sensor
- Dual Toxic (CO/H₂S) sensor
- Pump Assembly (optional)
- Sounder
- High impact rubberised polycarbonate case
- Flexi PCB
- Display
- Robust belt clip

- Quick access to filters and sensors
- No special tools required
- Modular construction
- Easy calibration
**TECHNICAL SPECIFICATION**

**Size:**
121 x 59 x 32mm (4.8 x 2.3 x 1.3in)

**Weight**
- With pump: 230g (8oz)
- Without pump: 215g (7.6oz)

**Temperature**
- Operating: <4 hrs
- Charging Time: < 4 hrs

**Humidity**
- 0 to 95% R.H non-condensing

**Alarms**
- Highly visible flashing LED, piercing >90dB audible

**Display**
- Green and red LCD backlit display

**Data Logging**
- As standard

**Battery**
- Lithium ion rechargeable battery
- Run Time: >14 hrs (> 8 hrs pumped)
- Charging Time: < 4 hrs

**Enclosure**
- High impact rubberized polycarbonate case

**Drop Test**
- 3m (10ft)

**IP Rating**
- IP67

**Weight**
- (without pump): 215g (7.6oz)
- (with pump): 230g (8oz)

**Pressure**
- 0 to 1000 hPa

**Gas Ports**
- 3 (Air, Combi Gas & Exhaust)

**Gas Ranges Increment**
- **SENSOR TYPE**
  - **LEL**
    - 0-100% LEL
    - 1% LEL
    - Electrochemical
  - **O2**
    - 0-25%
    - 0.1%
    - Electrochemical
  - **CO**
    - 0-1000ppm
    - 1ppm
    - Electrochemical
  - **H2S**
    - 0-1000ppm
    - 1ppm
    - Electrochemical

**Testing Time**
- Bump Test: 60 secs
- Calibration Test: 90 secs

**Data Storage**
- >6000 Bump / Calib results and between loads

**Power Supply**
- 12V dc, 2A

**Charging Time**
- < 4 hrs

**Operating Temperature**
- -10°C to 40°C (14°F to 104°F)

**Gas Ports**
- 3 (Air, Combi Gas & Exhaust)
- Contact GMI for other combinations

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**ORDERING INFORMATION AND ACCESSORIES**

**Accessories supplied with the instrument**
- Charging / Comms Clip
- Universal Power Plug (Mains – USB)
- User CD-ROM (Incl. Handbook)
- Quick Operating Instructions
- 3m Tubing complete with Quick Connector (pumped only)

**RECOMMENDED SPARE PARTS**

**64254**
- Hydrophobic Filter
**64084**
- Sample Inlet Filter
**64825C**
- LEL sensor
**64066**
- O2 sensor
**64067**
- Dual Toxic CO/H2S Sensor
**64176**
- CO sensor
**64128**
- H2S sensor
**64255**
- Pump Assembly

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

**Automatic Bump/Calibration Station**
- Auto Bump/Calibration Station (6mm fittings & incl. PSU and USB stick with software)
- 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**
- Manual Bump Kit (no power required)
- (c/w Combi Test Gas 99146, Direct Flow Regulator, tubing & sample line connector)

**Gas Kits for Auto Bump / Calibration Station**
- Test Gas Kit (6mm fittings)
- Test Gas Kit (Combi Test Gas 99146, Demand Flow Regulator)
- Test Gas Kit (1/4 in. fittings)

**Software**
- Data downloading CD-ROM (Incl. Handbook)

**64197**
- Auto Bump / Calibration Station USB Flash Drive (Incl. Handbook)

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

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