



# Gas detection just got personal



Coloured 'rubber boot'  
for multi-site or  
multi-application working  
(7 colours available)

## PS200 Series

Part of the Personal Surveyor range



- Simple 1-button operation
- Any combination of (LEL/O<sub>2</sub>/CO/H<sub>2</sub>S)
- 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.

# PS200 Series

The PS200 Series detects all possible combinations of LEL, O<sub>2</sub>, CO, H<sub>2</sub>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).

## Features

Green / Red Visual Alarms

Audible Alarm

Actual Size

On/Off button

Sensors (x3)

Charging & communication contacts (x4)

Sample inlet nozzle

HIHI % LEL  
20.9 % O<sub>2</sub>  
0 PPM CO  
0 PPM H<sub>2</sub>S

Red display in alarm conditions

CALIBRATION  
DUE  
16 MAR 2012

Configurable calibration options

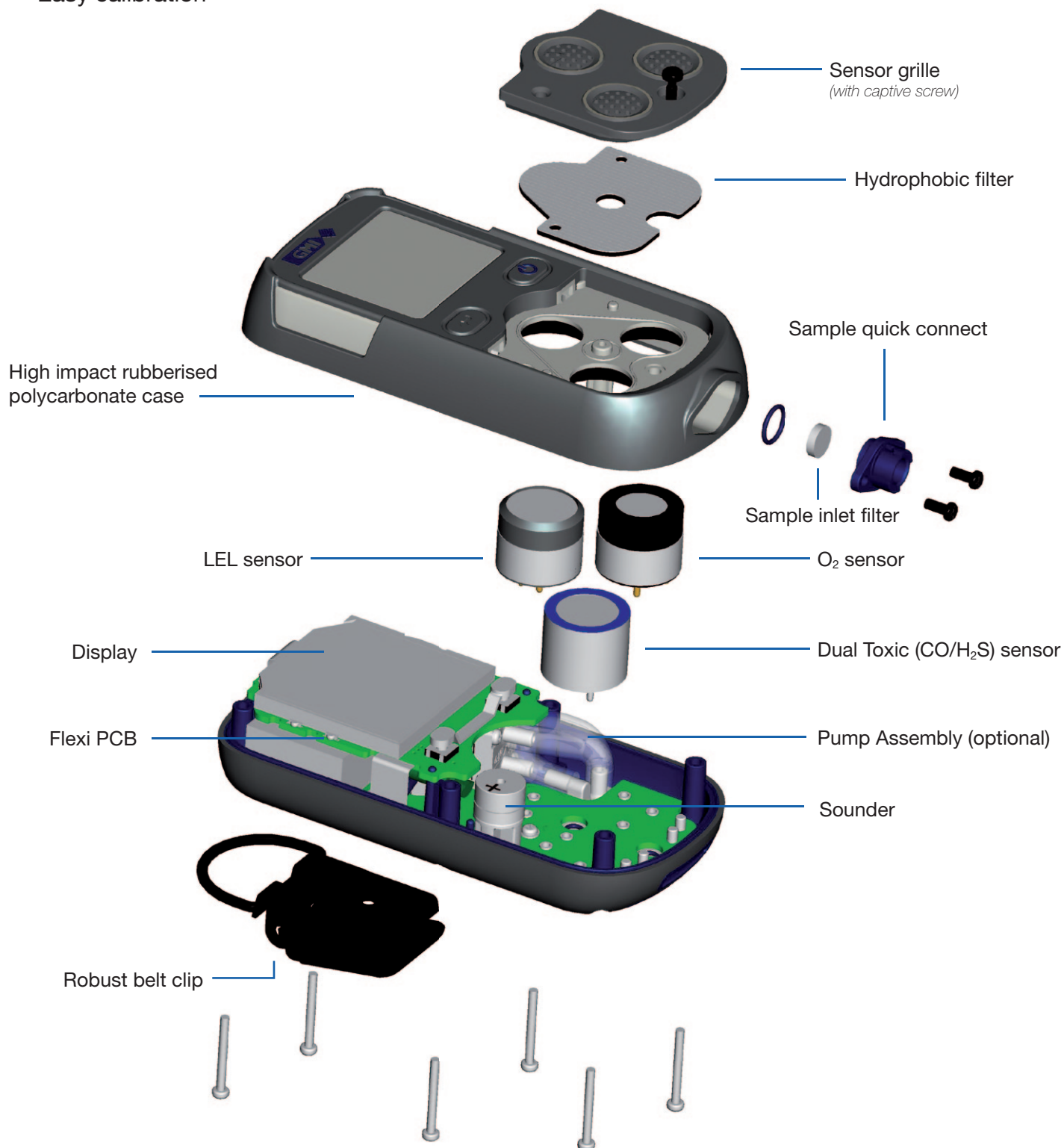
BUMP TEST PASS  
0 % LEL  
20.9 % O<sub>2</sub>  
0 PPM CO  
0 PPM H<sub>2</sub>S

Configurable bump options





# PS200 Series

## Simple User Maintenance

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



## TECHNICAL SPECIFICATION

<b>Size:</b>	121 x 59 x 32mm (4.8 x 2.3 x 1.3in)
<b>Weight (with pump):</b>	230g (8oz)
<b>Weight (without pump):</b>	215g (7.6oz)
<b>Temperature:</b>	-20°C to +50°C (-4°F to 122°F)
<b>Humidity:</b>	0 to 95% R.H non-condensing
<b>Alarms:</b>	Highly visible flashing LED, piercing >90dB audible
<b>Display:</b>	Green and red LCD backlit display
<b>Datalogging:</b>	As standard
<b>Battery:</b>	Lithium Ion rechargeable battery Run Time > 14 hrs (> 8 hrs pumped) Charging Time < 4 hrs
<b>Enclosure:</b>	High impact rubberized polycarbonate case
<b>Drop Test:</b>	3m (10ft)
<b>IP Rating:</b>	IP67
<b>Response Times (T<sub>90</sub>):</b>	LEL = 10 secs (IEC 60079-29-1) O <sub>2</sub> = 10 secs (BSEN 50 104) CO = 25 secs H <sub>2</sub> S = 35 secs
<b>Approvals:</b>	IEC Ex ia d IIC T4 Gb ATEX Ex II 2 G Ex ia d IIC T4   MED (0038/YY) - Module B & E  UL913 Class 1 Div 1 Groups A,B,C,D*  CSA Class 1 Groups A,B,C,D* CE <span style="float: right;">*pending</span>
<b>Warranty:</b>	2 years as standard

## SENSOR SPECIFICATIONS

GAS	RANGES	INCREMENTS	SENSOR TYPE
LEL	0-100% LEL	1% LEL	Pellistor
O <sub>2</sub>	0-25%	0.1%	Electrochemical
CO	0-1000ppm	1ppm	Electrochemical
H <sub>2</sub> S	0-100ppm	1ppm	Electrochemical

## AUTO BUMP /CALIBRATION STATION TECHNICAL SPECIFICATION

<b>Size:</b>	200 x 140 x 135mm (7.9 x 5.5 x 5.3in)
<b>Weight:</b>	1.2kg (43oz)
<b>Interfaces:</b>	Standalone /USB /Ethernet
<b>LED Indicators:</b>	Power (Green) /Testing (Yellow) /Pass (Green) /Fail (Red)
<b>Testing Time:</b>	Bump Test 60 secs Calibration Test 90 secs
<b>Data Storage:</b>	>6000 Bump /Calibration results and between loads
<b>Power Supply:</b>	12V dc, 2A
<b>Charging Time:</b>	<4 hrs
<b>Operating Temperature:</b>	-10°C to 40°C (14°F to 104°F)
<b>Gas Ports:</b>	3 (Air, Combi Gas & Exhaust) Contact GMI for other combinations

## ORDERING INFORMATION AND ACCESSORIES

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

## RECOMMENDED SPARE PARTS

<b>64254</b>	Hydrophobic Filter
<b>64084</b>	Sample Inlet Filter
<b>64825C</b>	LEL sensor
<b>64066</b>	O <sub>2</sub> sensor
<b>64067</b>	Dual Toxic CO/H <sub>2</sub> S Sensor
<b>64176</b>	CO sensor
<b>64128</b>	H <sub>2</sub> S sensor
<b>64255</b>	Pump Assembly

## ADDITIONAL ACCESSORIES

<b>64303</b>	Rubber Boot (Various colour options available:- black, grey, yellow, red, orange, blue, green)
<b>66123</b>	PS200 Hand Aspirator
<b>66478</b>	PS200 Hand Aspirator (c/w 3.0 metres Tygon Tubing)
<b>66112</b>	Sample Line Extender
<b>66485</b>	In-Line Hydrophobic Filter Assy
<b>66545</b>	PS200 Ball Float
<b>Charging Accessories</b>	
<b>64248</b>	In-Vehicle Charging Adaptor (12V/24V – USB)
<b>Automatic Bump/Calibration</b>	
<b>64052</b>	Auto Bump/Calibration Station (6mm. fittings & incl. PSU and USB stick with software)
<b>64052Q</b>	Auto Bump/Calibration Station (1/4 in. fittings & incl. PSU and USB stick with software)
<b>99118</b>	Demand Flow Regulator
<b>64265</b>	Tubing with 6mm Push Fit Connector
<b>Manual Bump/Field Calibration Kit</b>	
<b>64051</b>	Manual Bump Kit (no power required) (c/w Combi Test Gas 99146, Direct Flow Regulator, tubing & sample line connector)
<b>Gas Kits for Auto Bump / Calibration Station</b>	
<b>99146</b>	Combi Test Gas Cylinder (2.5% CH <sub>4</sub> , 500ppm CO, 50ppm H <sub>2</sub> S, 18% O <sub>2</sub> , balance N <sub>2</sub> )
<b>64060</b>	Test Gas Kit (6mm Fittings) (Combi Test Gas 99146, Demand Flow Regulator part no. 99118 c/w 6mm tubing)
<b>64060Q</b>	Test Gas Kit (1/4 in Fittings) (Combi Test Gas 99146, Demand Flow Regulator part no. 99118 c/w 1/4" tubing)
<b>Software</b>	
<b>64197</b>	Data downloading CD-ROM (Incl. Handbook)
<b>64184</b>	Auto Bump /Calibration Station USB Flash Drive (Incl. Handbook)
<b>Documentation</b>	
<b>64193</b>	Configuration & Field Calibration Handbook (CD-ROM)



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