



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/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.



Gas Measurement Instruments Ltd



PS200 Series

The PS200 Series detects all possible combinations of LEL, O₂, CO, H₂S, 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 % O₂
0 PPM CO
0 PPM H₂S

Red display in alarm conditions

CALIBRATION
DUE
16 MAR 2012

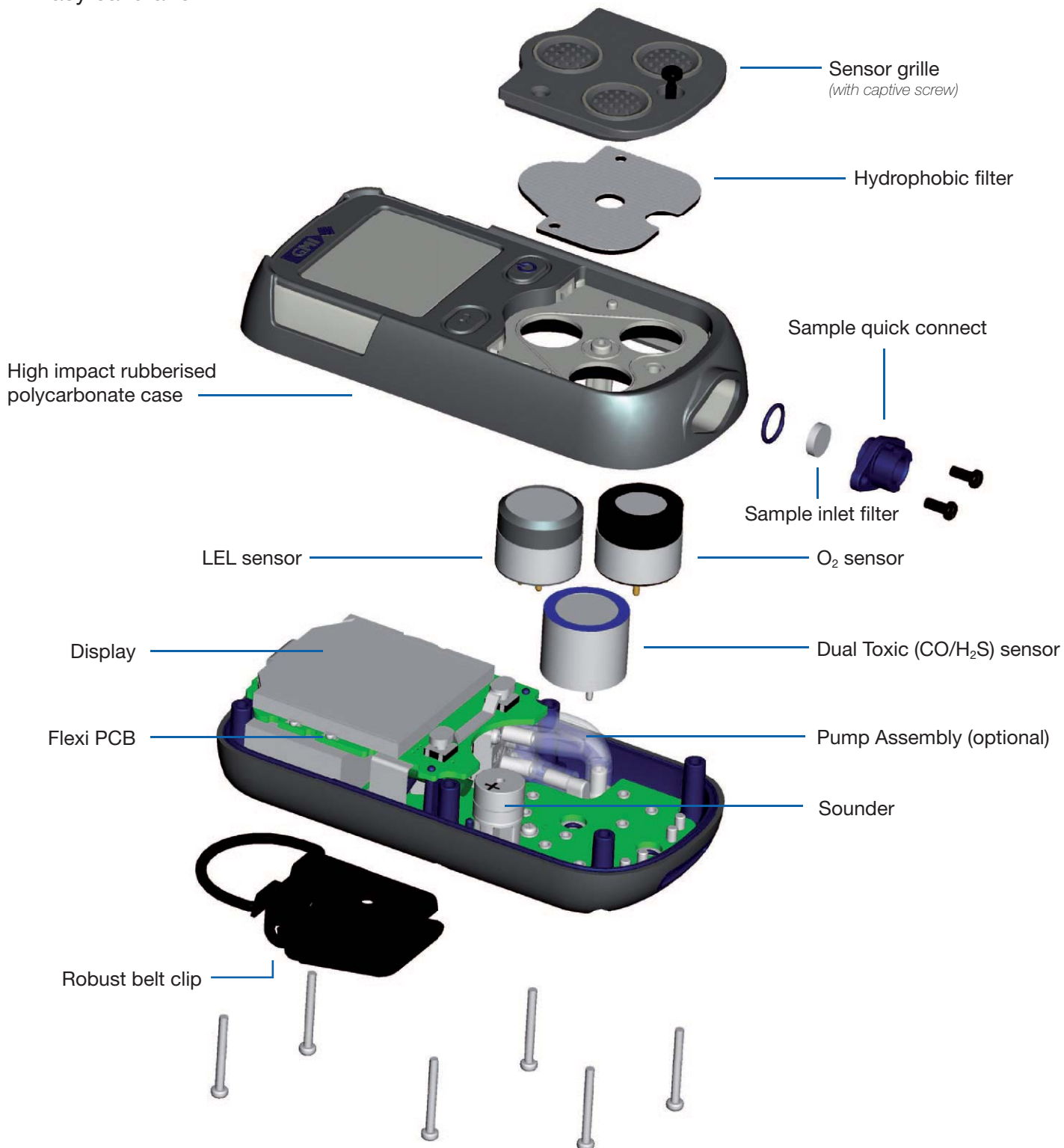
Configurable calibration options

BUMP TEST PASS
0 % LEL
20.9 % O₂
0 PPM CO
0 PPM H₂S





Configurable bump options

Simple User Maintenance

- 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)
Weight (without pump):	215g (7.6oz)
Temperature:	-20°C to +50°C (-4°F to 122°F)
Humidity:	0 to 95% R.H non-condensing
Alarms:	Highly visible flashing LED, piercing >90dB audible
Display:	Green and red LCD backlit display
Datalogging:	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
Response Times (T₉₀):	LEL = 10 secs (IEC 60079-29-1) O ₂ = 10 secs (BSEN 50 104) CO = 25 secs H ₂ S = 35 secs
Approvals:	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 *pending
Warranty:	2 years as standard

SENSOR SPECIFICATIONS

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

AUTO BUMP /CALIBRATION STATION TECHNICAL SPECIFICATION

Size:	200 x 140 x 135mm (7.9 x 5.5 x 5.3in)
Weight:	1.2kg (43oz)
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 (14°F to 104°F)
Gas Ports:	3 (Air, Combi Gas & Exhaust) Contact GMI for other combinations

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)

RECOMMENDED SPARE PARTS

64254	Hydrophobic Filter
64084	Sample Inlet Filter
64825C	LEL sensor
64066	O ₂ sensor
64067	Dual Toxic CO/H ₂ S Sensor
64176	CO sensor
64128	H ₂ S 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	
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)
Gas Kits for Auto Bump / Calibration Station	
99146	Combi Test Gas Cylinder (2.5% CH ₄ , 500ppm CO, 50ppm H ₂ S, 18% O ₂ , balance N ₂)
64060	Test Gas Kit (6mm Fittings) (Combi Test Gas 99146, Demand Flow Regulator part no. 99118 c/w 6mm tubing)
64060Q	Test Gas Kit (1/4 in Fittings) (Combi Test Gas 99146, Demand Flow Regulator part no. 99118 c/w 1/4" tubing)
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)

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