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_2/CO/H_2S)
- Audible, visual and vibrating alarms
- Fully certified
- Internal pump (optional)
- Lightweight
- Sensor integrity checking
- Robust construction
- Ease of maintenance
- Personal Alarm Built-in

New!

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.

GMI

Gas Measurement Instruments Ltd

GAS MEASUREMENT INSTRUMENTS LIMITED
GMI
60 YEARS OF INNOVATION

PS200 Series

The PS200 Series detects all possible combinations of LEL, O_2, CO, H_2S, 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.

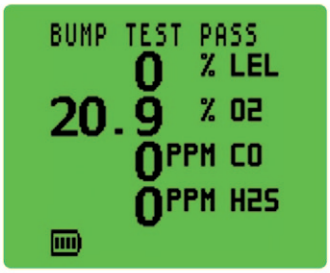
To compliment the PS200, the Auto Bump & Calibration Station has been designed to easily slip the instrument into place and the station begins to log results automatically, taking only 60 and 90 seconds respectively. You have options to use the station as a stand-alone device from which you can easily 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

Red display in alarm conditions

Configurable calibration options

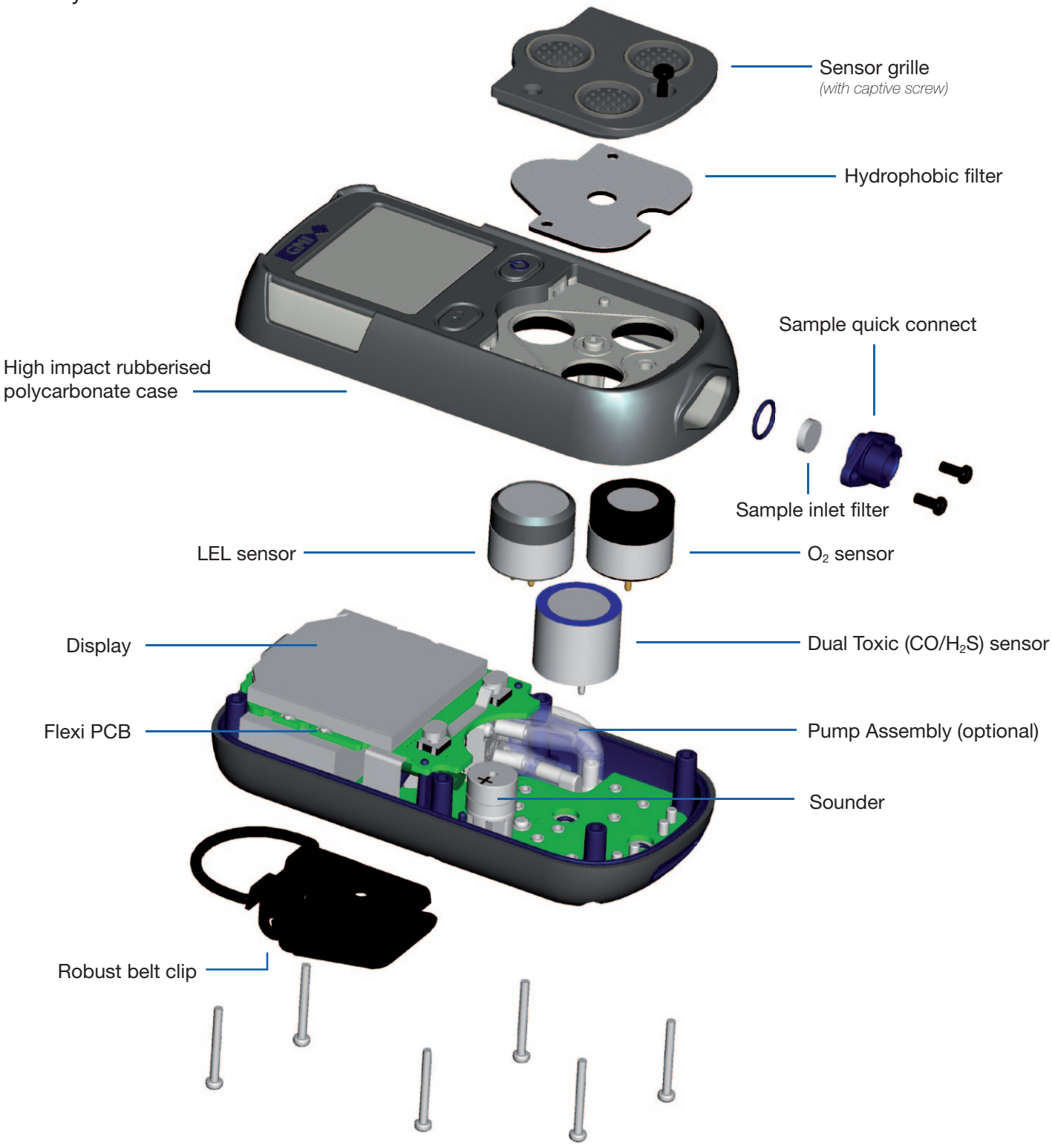


Configurable bump options

PS200 Series

Simple User Maintenance

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



PS200 Series

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:	-20ºC to +50ºC (-4ºF to 122ºF)
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 (T_{90}):	LEL = 10 secs (IEC 60079-29-1) O_2 = 10 secs (BSEN 50 104) CO = 25 secs H_2S = 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
O2	0-25%	0.1%	Electrochemical
CO	0-1000ppm	1ppm	Electrochemical
H2S	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:	-10ºC to 40ºC (14ºF to 104ºF)
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_2S Sensor
64176	CO sensor
64128	H_2S 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% CH4, 500ppm CO, 50ppm H_2S, 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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