



PSZIII 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

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 bump test anytime.

The PS200 accessory pack includes the following as standard: USB Charging/
Comms Clip, Universal Power Plug, User
CD-ROM, Quick Operating Instructions.
Tubing (3m) complete with a Quick Connector is also supplied as standard with pumped instruments.

FEATURES



Sample inlet nozzle

pump -20°C to +50°C (-4°F to 122°F) Temperature: 0 to 95% R.H non-condensing Humidity: Alarms: Highly visible flashing LED, piercing >90dB audible Display: Green and red LCD backlight display Datalogging: Timed: 24 hours of timed logs at 1 log per Session: Minimum of 180 logs Calibration: Minimum of 8 calibration logs Bump Logs: Minimum of 180 logs Battery: Lithium Ion rechargeable battery Run Time: Up to 14 hrs (diffusion) Charging Time < 4 hrs Enclosure: High impact rubberized polycarbonate case Drop Test: 3m (10ft) IP Rating: IP67 (Dust-tight and waterproof to 1m) LEL = 10 secs (IEC 60079-29-1) Response Times (T90): O₂ = 12 secs (BSEN 50 104) CO < 20 secs H₂S < 20 secs IEC Ex ia d IIC T4 Gb Approvals: ATEX Ex II 2 G Ex ia d IIC T4 🖾 CSA Class 1 Div 1 Groups A,B,C,D, T4 Class 1, Zone 1 EX ia d IIC T4 MED (0038/YY) - Module B & E **C€** 0518 2 years as standard Warranty:

TECHNICAL SPECIFICATION

Size: Weight: 121 x 59 x 32mm (4.8" x 2.3" x 1.3")

230g (8oz) with pump 215g (7.6oz) without

HIHI % LEL 20.9 % 02 OPPM CO OPPM H2S

Red display in alarm conditions

CALIBRATION DUE 16 MAR 2012

Configurable calibration options

BUMP TEST PASS

O % LEL

20.9 % OZ

OPPM CO

OPPM HZS

Configurable bump options



AUTOMATIC BUMP TESTING AND CALIBRATION



AUTO BUMP & CALIBRATION STATION TECHNICAL SPECIFICATION		
Size:	200 x 140 x 135mm (7.9" x 5.5" x 5.3")	
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	
Power Supply:	12V dc, 2A	
Operating Temperature:	-10°C to 40°C (14°F to 104°F)	
Gas Ports:	3 (Air, Combi Gas & Exhaust) Contact GMI for other combinations	

To complement the Personal Surveyor product line, GMI has developed a compact, robust and easy to use Auto Bump & Calibration Station that can provide full bump and calibration options. Data transfer is facilitated using a USB memory stick with Standalone software that is simple to set up and customise based on end users' specifications. Standalone, PC, and ethernet versions are available.

STANDALONE

By adding the Auto Bump & Calibration Station to your PS200 package, data can be easily retrieved using specific software in a user-friendly time logged format. This gives you the ability to create and print your personalised calibration certificate.

PC

Allows easy configuration (bump test or calibration) of Auto Bump & Calibration Station and allows all results to be automatically stored to a database on the PC. The stored results can be easily viewed and calibration certificates produced. The history of all results can be easily viewed and reports of instruments can be easily compiled.

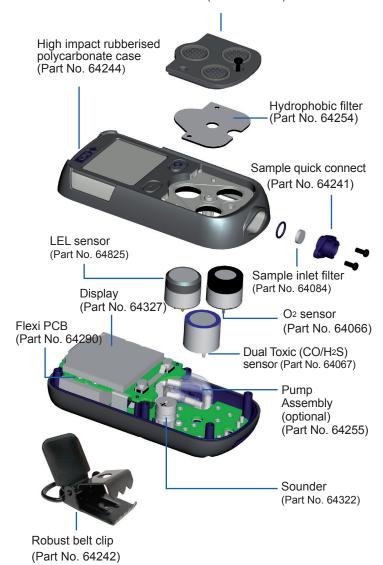
ETHERNET

Same as PC except multiple units can be connected to a network allowing one PC to control and receive data.

SENSOR SPECIFICATIONS				
GAS	RANGES	INCREMENTS	SENSOR TYPE	
LEL	0-100% LEL	1% LEL	Catalytic Bead	
O2	0-25%	0.1%	Electrochemical	
CO	0-1000ppm	1ppm	Electrochemical	
H2S	0-100ppm	1ppm	Electrochemical	

SIMPLE USER MAINTENANCE

Sensor grill (with captive screw) (Part No. 64240)



FORMATION AND	ACCECCODIEC

	Accessories supplied with the instrument
64260	USB Charging / Comms Clip
64247	Universal Power Plug (Mains – USB)
64190	User CD-ROM (Incl. Handbook)
64172	Quick Operating Instructions
64136	3m. Tubing with Quick Connector

RECOMMENDED SPARE PARTS	
64254	Hydrophobic Filter
64084	Sample Inlet Filter
64825C	LEL sensor
64066	O ₂ sensor
64067	Dual Toxic CO/H2S Sensor
64176	CO sensor
64128	H ₂ S sensor
64255	Pump Assembly

ADDITIONAL ACCESSORIES		
64303	Rubber Boot (Colour options:- black, grey, yellow, red, orange, blue, green)	
66123	: low, red, orange, blue, green) : Hand Aspirator	
66478	Hand Aspirator (c/w 10 ft. tubing)	
66112	Sample Line Extender	
66485	In-Line Hydrophobic Filter Assy	
66545	Ball Float	
64100	Rugged Carry Case	
64248	Charging Accessories In-Vehicle Charging Adaptor (12V/24V –	
64138	USB)	
	5 Way Multi-Charger	
	Automatic Bump & Calibration	
64052	Auto Bump & Calibration Station (6mm. fittings & incl. PSU and USB stick with Standalone software)	
64052Q	Auto Bump & Calibration Station (1/4 in. fittings & incl. PSU and USB stick with Standalone software)	
99553	flexiCal Plus software for PC	
99118	Demand Flow Regulator	
64265	Tubing with 6mm Push Fit Connector	
04054	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 H2S, 18% O2, bal-	
	(2.5% CH4, 500ppill CO, 50ppill H2S, 16% O2, bal- ance N2)	
64060	Test Gas Kit (6mm fittings)	
	(Combi Test Gas 99146, Demand Flow Regulator 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 (c/w Handbook)	
64184	Auto Bump & Calibration Station USB Flash Drive	
	: Flash Drive : (c/w Handbook)	
	Documentation	
64193	Configuration & Field Calibration Hand- book (CD-ROM)	





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