



PS1

Single Gas Monitor



Actual size.



Features

- On/Off capability
- Field adjustable alarm settings
- Single gas monitors for H₂S, O₂, CO, SO₂
- Easy one button operation
- Displays real time value
- Datalogging as standard
- Includes fully programmable menu for alarms and latching/non-latching settings
- Alarms: Audible, visual, vibrating, TWA, STEL, low battery and end of life
- Rugged stainless steel alligator clip
- 2 year warranty

Bump Test & Calibration Station

- Fast visual indication
- Simple bump test or calibration
- Full data and calibration results

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 centers 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 PS1 monitors a single gas, for a variety of applications. Widely used in the oil and gas industry, this rugged, extremely lightweight and accurate monitor clips easily onto a collar or vest. This puts the instrument near the breathing zone for maximum user protection and safety. Audible, visual, and vibrating alarms alert the user, should gas be present and alarms can be latching until the user acknowledges that an alarm is present.

The PS1 Bump Test and Calibration Station is designed to give a fast visual indication that instruments are calibrated correctly. Just place the instrument in the cradle and close the lid. Calibration is complete in 90 seconds and bump testing in 60 seconds. Results can be easily extracted for Calibration Certificate printing at your convenience.

Manual bump testing and calibration is also possible and only requires a cylinder of test gas and regulator. A manual calibration can be performed in less than two minutes with results stored on the PS1.

Applications

Petrochemical	Pulp and Paper	Chemical
Forklift Operations	Off-Shore	Cities & Municipalities
Fire Departments	Gas and Oil	Boiler Room Monitoring

PS1 TECHNICAL SPECIFICATIONS	
Size:	85 (H) x 55 (W) x 29 (D) mm 3.4" (H) x 2.2" (W) x 1.16" (D)
Weight:	86g (3.0 oz)
Temp. Limits:	-20° to + 50° C (-4° to +122° F)
Humidity:	0-98% RH (non-condensing)
Alarms:	Visual 360° Light bar Vibrating Audible 95 dB User programmable, includes TWA, STEL
Display:	LCD backlit display
Battery:	Lithium
Enclosure:	High impact ABS poly blend
Rating:	IP67 (Dust-tight and waterproof to 1m)
Approvals:	IECEX: Ex ia IIC T4 Ga ATEX Ex II 1G Ex ia IIC T4 Ga UL913: Class I, Div 1, Groups A, B, C, D, T4 MED 96/98/EC As amended CE Class I, Div 1, Groups A, B, C, D T4
Outputs:	Optical IR
Datalogging:	1 minute logging for 24hrs then over-writing 10 calibration logs, 50 bump test logs, ON/OFF session logs
Warranty:	2 years

ACCESSORIES	
63450	Auto bump & calibration station

PART #	GAS TYPE	RANGE	RESOLUTION	TYPE	LIFE	ALARM 1	ALARM 2	STEL	TWA
63324	H ₂ S	0-100 ppm	1 ppm	Electrochemical	2 yrs	10 ppm	20 ppm	10 ppm	5 ppm
62403								20 ppm	10 ppm
63002	O ₂	0-25%	0.1%	Electrochemical	2 yrs	19.5%	23.5%	N/A	N/A
63424	CO	0-500 ppm	1 ppm	Electrochemical	2 yrs	30 ppm	200 ppm	200 ppm	30 ppm
62404						35 ppm	50 ppm		35 ppm
63524	SO ₂	0-20 ppm	0.1 ppm	Electrochemical	2 yrs	Disabled	1.0 ppm	1.0 ppm	1.0 ppm
62405						Disabled	5.0 ppm	5.0 ppm	5.0 ppm



GMI Headquarters
Inchinnan Business Park
Renfrew
PA4 9RG
Scotland
Tel: +44 (0) 141 812 3211
Fax: +44 (0) 141 812 7820
sales@gmiuk.com
www.gmiuk.com

Service and Calibration - UK
25 Cochran Close
Crownhill
Milton Keynes
MK8 0AJ
Tel: +44 (0) 1908 568 867
Fax: +44 (0) 1908 261 056
service@gmiuk.com
www.gmiuk.com

Service and Sales - USA
4055 Technology Forest Blvd
The Woodlands, TX 77381
Tel: (713) 559-9290
Toll free: (877) 421-5315
Fax: (281) 292-2860
sales@detcon.com
www.detcon.com

Distributed by:

Gas Measurement Instruments quality assurance programmes demand the continuous assessment and improvement of all GMI products. Information in this leaflet could thus change without notification and does not constitute a product specification. Please contact GMI or their representative if you require more details.

©2013 Gas Measurement Instruments Ltd.
PS1 product brochure Part No. 99336
Issue 4 – May 2015