

PS1**SINGLE GAS MONITOR****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

**Bump Test & Calibration Station**

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



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

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

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



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