



## The Carbon Dioxide detection solution

# PS500-CO2



Designed by our customers, this robust and accurate gas detector provides unrivalled protection in confined space applications.

- 0-5% Carbon Dioxide (CO<sub>2</sub>) detection
- NDIR sensing technology
- Large font for easy reading
- Piercing 95 dB audible plus 360-degree high-visibility light bar
- On-board datalogging for calibration certificates, data management, and event logging
- High impact rubberised case
- IP65
- Low cost of ownership

### *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.



# PS500-CO2




The PS500-CO2 detects 0-5% volume CO<sub>2</sub> reliably and accurately using infrared capabilities.

The large display font allows for easy measurement reading.

The PS500-CO2 is particularly useful in noisy environments, featuring a very loud (95dBA) penetrating and distinctive audible alarm together with high visibility large area visual alarm.

Sampling type: diffusion for confined space working.

A robust, moulded, rubberised casing guaranteeing Hi-Impact resistance, the PS500-CO2 can be used in the most demanding industrial environments.

TECHNICAL SPECIFICATION	
Size:	140 x 85 x 45 mm / 5.5" x 3.3" x 1.7"
Weight:	0.4 kg / 14 oz.
Humidity:	0-98% non condensing
Alarms:	Visual 360° full light bar, piercing 95db audible 4 gas alarms per gas user programmable TWA/STEL alarms visual and audible Flow fault visual and audible Low battery alarm
Display:	LCD backlight display
Datalogging:	Timed: 24 hours of timed logs at 1 log per minute Session: Minimum of 180 logs Calibration: Minimum of 8 calibration logs
Battery:	NiMH rechargeable battery—12 hr. minimum
Enclosure:	High impact rubberised polycarbonate case
Rating:	IP65 (Dust tight and water resistant)
Approvals:	CE0518 ATEX  II 2 G EEx iad IIC T3
IECEX:	EEx iad IIC T3
Warranty:	2 years

SENSOR SPECIFICATION				
GAS	RANGE	RESOLUTION	SENSOR TYPE	T90
CO <sub>2</sub>	0 - 2.50%	0.01%	NDIR	25 sec
	2.50 - 5.00%	0.05%		

ORDERING INFORMATION AND ACCESSORIES	
61371P	PS500-CO2 Instrument The instrument is supplied calibrated and complete with: - Charger (Universal plug) - Battery / sensor grille key - User CD - Quick operation guide
66028	Neck harness
61208	Datalogging package
66083	Sensor grill hydrophobic filter
66084	Sensor gas inlet filter
66206	Car/vehicle charge 12/24V
61502	Automatic Bump / Calibration Station
	For a comprehensive list of accessories, contact your local distributor, or alternatively, GMI Ltd.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.