

## PS500 - CO2

The Carbon Dioxide detection solution



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

- 0-5% Carbon Dioxide (CO2) 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

### Auto Bump & Calibration Station

- Simple user interface
- Bump test or calibration
- Bump/calibration results storage
- Standalone, PC or Ethernet options
- Robust construction



# PS500 - CO2

## The Carbon Dioxide detection solution



The PS500- CO2 detects 0-5% volume CO2 reliably and accurately using infrared capabilities.

The large display font allows for easy measurement readings.

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:	CE 0518 ATEX Ex 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.