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_2) 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

PS500-CO2

The PS500-CO2 detects 0-5% volume CO_2 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 360º 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 ⟨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_2	0 - 2.50% 2.50 - 5.00%	0.01% 0.05%	NDIR	25 sec

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.

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