



3M™ GMI™ 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



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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 × 85 × 45 mm / 5.5" × 3.3" × 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 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% | 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.

As an ISO 9001 approved company, 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.



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UK
Inchinnan Business Park
Renfrew, PA4 9RG
Scotland
Tel : +44 (0)141 812 3211
Fax : +44 (0)141 812 7820

USA
4055 Technology Forest Blvd.
The Woodlands, TX 77381
Houston, Texas
Tel : 713-559-9200
Fax : 713-893-6729