



THE ROBUST FIVE-GAS DETECTOR FOR UNRIVALLED PROTECTION IN CONFINED SPACES.

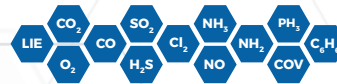
The PS500 is a multi-gas detector that can be configured to detect up to five gases. With its electrochemical and catalytic sensors, photoionization detectors (PID) and infrared capabilities, it can detect a large number of gases.

The 'Plug and Play' feature maximizes flexibility by allowing other gases to be detected: simply insert a new smart sensor assembly.

The PS500 is highly effective in noisy environments, featuring a loud (95dB) audible alarm and a very bright visual alarm. With its robust shock-proof rubber housing, it is the ideal companion for the most demanding industrial environments.

An optional internal pump can be used to take remote measurements or samples. For example, the worker can activate the pump to take readings before entering a confined space, then turn it off while working in the confined space.

The **PS500-CO₂** is the single-gas version specially designed for wine-production applications.



SENSOR SPECIFICATIONS

Gas	Measuring Range	Resolution	Sensor Type
LEL	0 - 100% LEL 0 - 100% LEL	1% LEL 1% LEL	Cat-bead NDIR
CO ₂	0 - 2.50% 2.50 - 5.00%	0.01% 0.05%	NDIR
O ₂	0 - 25%	0.1%	Electrochemical
CO	0 - 1000 ppm	1 ppm	Electrochemical
H ₂ S	0 - 100 ppm	1 ppm	Electrochemical
DUAL TOX CO/H ₂ S	0-1000 ppm (CO) 0-100 ppm (H ₂ S)	1 ppm	Electrochemical
SO ₂	0 - 30 ppm 0 - 100 ppm	1 ppm	Electrochemical
Cl ₂	0 - 10 ppm	0.1 ppm	Electrochemical
NH ₃	0 - 100 ppm	1 ppm	Electrochemical
NO	0 - 300 ppm	1 ppm	Electrochemical
NO ₂	0 - 20 ppm	0.1 ppm	Electrochemical
PH ₃	0 - 100 ppm	1 ppm	PID
VOC	0 - 100 ppm 0 - 1,000 ppm	0.1 ppm 1 ppm	PID
C ₆ H ₆	0 - 20 ppm	0.1 ppm	PID

SPECIFICATIONS

- More than 15 'plug-and-play' sensors
- PID sensors to detect volatile organic compounds (VOCs)
- Logging of data, events and calibration certificates
- Easy to maintain
- Internal pump (optional)

TECHNICAL DATA

Size: 5.5 x 3.3 x 1.7 in. (140 x 85 x 45 mm)

Weight: 14 oz. (0.4 kg)

Temperature: -40°F to 122°F (-20°C to +50°C)

Humidity: 0-98% RH, non condensing

Alarms:

Visual (360° full light bar), Audible (95 dB), Low battery alarms
User programmable alarms: Up to 4 alarms per toxic gas (incl. STEL / TWA), 3 alarms for O₂, 2 alarms for LEL.

Display: LCD backlight display

Test: Checking and zeroing of the sensors at start-up (if zeroing is not possible then the relevant fault is shown on the display).

Operating time:

NiMH rechargeable battery - 12 hr. minimum with pump
Alkaline battery pack (3 AA) - 12 hr. minimum with pump

Protection Class: IP65

Datalogger: Timed: 24 hours of timed logs at 1 log per minute

Session: Minimum of 180 logs

Calibration: 8 calibration logs

Approvals:

ATEX II 2 G EEx iad IIC T3 / T4

IECEX: Ex iad IIC T4/T3

MED (0038/YY) - Module B & E

CE

Warranty: 2 years

ACCESSORIES



AUTO BUMP AND CALIBRATION STATION

- Simple user interface
- Bump test or calibration
- Storage of test/calibration results
- Stand-alone, PC or Ethernet modes