



PS 500

Technical Data

Display type	LCD
Measurement units	Gas: ppm or mg/m ³ Humidity: % Temperature °C or °F
Reading functions	Instant, minimum, maximum, average
Sensor head	Interchangeable, replaceable, refurbishable
Alarm features	Low/high alarm, mute (config.)
Display status indicators	Alarm, battery, data logging, sensor, standby, monitor and location ID
External signal functions	High/low alarm control (max. 150mA)
Sensor calibration feat.	Zero calibration, gain adjustment
Analog output	0 - 5Vdc
Digital interface	RS232 to USB
Data logging capacity	Up to 8,188 records (2,706 incl. temp/r.H)
PC data logging	Software and data cable supplied
Clock function	Real time
Power supply	12Vdc (power adaptor/charger supplied 100-250Vac)
Rechargeable battery	Lithium polymer 12Vdc 2700mA/h (2 hr charge time / 8 hr run time)
Encl. material and rating	PC and ABS; IP20 and NEMA 1 equiv.
Size (with sensor head)	195 x 122 x 54 (mm); 7 7/8 x 4 3/4 x 2 1/8 (in)
Weight (with sensor head and battery)	< 460 g; < 16 oz
Environmental operating conditions	Temperature: -5°C to 45°C Humidity: 0 to 95% r.H non- condensating
Optional accessories	Remote sensor kit, spare battery, car adaptor, wall bracket, carry case
Temperature & Humidity sensor	Range -40°C to 124°C (-40°F to 255°F); Range 0 to 100% r.H
Approvals	Part 15 of FCC Rules; EN 50082-1: 1997; EN 50081-1: 1992

Features

- Interchangeable gas sensor heads (30+ choices)
- Built-in data-logging
- PC software (Windows 7, 8, XP)
- PC connection over USB cable
- High/low alarms
- External control outputs
- Digital LCD display
- Min., max. and average readings
- Field-replaceable battery
- Power adaptor/charger included
- Remote sensor capability
- Lithium battery as standard
- Temperature and RH sensor optional (plug-and-play)

Sensor heads are available for these gases:

- Ammonia (NH₃)
- Carbon dioxide (CO₂)
- Carbon monoxide (CO)
- Hydrogen (H₂)
- Hydrogen sulphide (H₂S)
- Methane (CH₄)
- Nitrogen dioxide (NO₂)
- Non methane hydrocarbon (NMHC)
- Ozone (O₃)
- Sulphur dioxide (SO₂)
- Volatile organic compounds (VOC)
- Multi-sensor head: VOC / CO / CO₂ or CO / CO₂

Application

The PS 500 is a feature-rich portable monitor with the ability to accurately measure multiple target gases at different concentrations in indoor and outdoor applications.

Built-in data-logging and a long-life, fast-charging lithium battery makes the PS 500 the ultimate choice for air quality professionals, consultants, and researchers.

Ordering Codes

PS 500 Portable Monitor

See p. 2 for accessories

Accessories



Carry Case - Large



Carry Case - Small



Wall Bracket



IP 41 Remote Sensor Kit



Remote Sensor Kit



Industrial Enclosure



Lithium Battery Pack



Cigarette Light Adapter



Temp./Humidity Sensor



Calibration Kit

Ordering Codes - Accessories

R 42	Calibration Kit
AS R10	Remote Sensor Kit
AS R13	IP 41 Remote Sensor Kit
R 41	Carry Case - Large
R 40	Carry Case - Small
R 33	Wall Bracket
R 36	Lithium Battery Pack
R32	Cigarette Light Adapter
TR4	Temperature/ Humidity Sensor
ENC	Industrial Enclosure

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