

Series 500

Portable Gas Monitor

- High accuracy and functionality
- Onboard and PC data logging
- Easy to operate and maintain
- Portable battery operation
- External control outputs
- Rapid T90 response
- High and low alarms
- Remote sensor capability
- Interchangeable sensor heads
- Temperature and RH sensor (Series 505)



Specifications

Display type; Measurement units	LCD; ppm or mg/m ³
Reading functions	Minimum, maximum, average, 15-minute
Sensor head	Interchangeable, replaceable, refurbish-able
Alarm features	Low alarm, high alarm, mute (configurable)
Display status indicators	Alarm, battery, sensor, standby
External signal functions	Low alarm, high Alarm, control (150mA max)
Sensor calibration features	Zero calibration
Analog output	0-5V
Digital interface	Serial RS232
Data logging capacity	4,300 data points (3,400 for Series 505)
PC data logging	Software and data cable supplied
Clock function	Real time
Power supply	12V DC (power adaptor/charger supplied 100-250V AC)
Rechargeable battery	Ni-MH 9.6V DC 2100mA/h
Enclosure material and rating	PC and ABS; IP20 and NEMA 1 equivalent
Size (with sensor head)	195 x 122 x 54 (mm); 7 ⁵ / ₈ x 4 ³ / ₄ x 2 ¹ / ₈ (in)
Weight (with sensor head and battery)	< 460 g; < 16 oz
Optional accessories	R10 remote sensor kit, R31 spare battery, R32 car adaptor, R33 wall bracket, R40 carry case
Temperature & Humidity sensor (Series 505)	Range -40 °C to 124 °C (-40 °F to 255 °F); Range 0 to 100% RH
Approvals	Part 15 of FCC Rules EN 50082-1: 1997 EN 50081-1: 1992



Sensor Heads and Accessories



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)**
- Perchloroethylene**
- Sulphur dioxide (SO₂)**
- Volatile organic compounds (VOC)**

See *Sensor Specifications* datasheet for details