



# Series 500 & 505

## Monitor & Data logger

### Features

- High accuracy & functionality
- Onboard & PC data logging
- External control signals
- Rapid T90 response
- High & low alarms
- Temperature & humidity
- Remote sensor capability
- Portable & wall mountable
- Interchangeable sensor heads



### Specifications

#### Base unit

Measurement units	ppm / mg/m <sup>3</sup> (S500); ppm / mg/m <sup>3</sup> ; °C / °F; % RH (S505)
Reading functions	Minimum / Maximum / Average / ST-15
Removable / replaceable sensor head	Yes
Onboard alarm (high & low)	Yes - user configurable set points
Alarm mute function & status display	Yes
Low battery indicator	Yes
Sensor condition status	Yes
Stand-by mode	Yes
External signal for alarms & control	Yes - transistor output, 150 mA max
External signal functions	Low Alarm, High Alarm & Control
Temperature & Humidity sensors	Available on Series 505
Analogue output	0 - 5 V
Power supply	12 VDC, 800 mA - power adaptor supplied
Rechargeable long-life battery	Ni-MH 9.6 VDC; 2100 mA/h
Wall mountable	Yes - use R33 wall bracket
Remote sensor capability	Yes - use R10 or R13 remote kit
Portable case	Yes - use R40 carry case
Enclosure material / rating	PC & ABS / IP20 & NEMA 1 equivalent
Size (with sensor head)	195 x 122 x 54 (mm); 7 <sup>5</sup> / <sub>8</sub> x 4 <sup>3</sup> / <sub>4</sub> x 2 <sup>1</sup> / <sub>8</sub> (in)
Weight (with sensor head & battery)	< 460 g; < 16 oz

#### Data logging

Data interface with PC	Serial RS232
Onboard data logging capacity	4,300 data points (3,400 for Gas plus T° & RH)
Data logging direct to PC	Yes (data cable & software supplied)
Onboard real-time clock	Yes

#### Approvals

Part 15 of FCC Rules  
EN 50082-1: 1997  
EN 50081-1: 1992



#### Temperature and Humidity Sensors (Series 505 only)

Sensors	Accuracy	Resolution	Range
Temperature	± 0.3 [K] @ 25°C	0.04 min.	-40°C - 124°C; -40°F - 255°F
Humidity	± 1.8% RH	0.4 min.	0 - 100% RH