

Series 520 & 525 Monitor & Datalogger

Features

- High accuracy & functionality
- Rapid T90 response
- Onboard & PC data logging
- External control signals
- High & Low alarms
- Large easy to read display
- Tamperproof & water resistant
- Interchangeable sensor heads



Specifications

Base unit

Measurement units	ppm or mg/m ³
Reading functions	Minimum / Maximum / Average / ST-15
Removable / replaceable sensor head	Yes
Onboard alarm	Yes - user configurable
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
Analogue output	0 - 5 V
Power supply	12 VDC, 800 mA
Rechargeable battery - UPS	Ni-MH 9.6 VDC; 2100 mA/h
Permanently fixed	Screw fix
Operating Temperature	-35°C to 120°C
Enclosure rating	IP41 & NEMA 2 equivalent
Enclosure size	180W x 252H x 90D (mm); 7¼W x 9¾H x 3½D (in)
Enclosure casing	Fibre reinforced polycarbonate
Approvals	Part 15 of FCC Rules EN 50082-1: 1997 EN 50081-1: 1992



Data logging

Data interface with PC	Serial RS232
Onboard Data Logging	8,000 data points
Data logging independent of PC	Yes
Data logging direct to PC	Yes
Onboard real-time clock	Yes
PC software & cable	Yes

Series 525 (with Temperature and Humidity Sensors)

Sensors	Accuracy	Resolution	Range
Temperature	± 0.3 [K] @ 25 °C	0.04 min resolution	range -40 °C to 124 °C
Relative Humidity	± 1.8% RH	0.4 min resolution	range 0 to 100%