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/m³
- Reading functions: Minimum / Maximum / Average / ST-15
- Removable / replaceable sensor head: Yes
- Onboard alarm: Yes
- 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); 7⅛W 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)

<table>
<thead>
<tr>
<th>Sensors</th>
<th>Accuracy</th>
<th>Resolution</th>
<th>Range</th>
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<tbody>
<tr>
<td>Temperature</td>
<td>± 0.3 [K] @ 25°C</td>
<td>0.04 min resolution</td>
<td>range -40°C to 124°C</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>± 1.8% RH</td>
<td>0.4 min resolution</td>
<td>range 0 to 100%</td>
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