SERIES 500

The Series 500 monitor 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 Series 500 the ultimate choice for air quality professionals, consultants, and researchers.

TYPICAL APPLICATIONS
- Source and leak detection
- Ozone process control
- Health and safety monitoring
- Indoor air quality

SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement units</td>
<td>Gas: ppm or mg/m³</td>
</tr>
<tr>
<td>Reading functions</td>
<td>Instant, minimum, maximum, average</td>
</tr>
<tr>
<td>Alarm features</td>
<td>Low alarm, high alarm, mute (configurable)</td>
</tr>
<tr>
<td>Display status indicators</td>
<td>Alarm, battery, data logging, sensor, standby, monitor and location ID</td>
</tr>
<tr>
<td>Audible alarm</td>
<td>Low and/or high alarm set points (with mute)</td>
</tr>
<tr>
<td>External signal functions</td>
<td>Low alarm, high alarm, control (150 mA max)</td>
</tr>
<tr>
<td>Sensor calibration features</td>
<td>Zero calibration, gain adjustment</td>
</tr>
<tr>
<td>Analog output</td>
<td>0-5 V</td>
</tr>
<tr>
<td>Digital interface</td>
<td>RS232 to USB</td>
</tr>
<tr>
<td>Data logging capacity</td>
<td>Up to 8,188 records (2,706 incl. temp/RH)</td>
</tr>
<tr>
<td>PC data logging</td>
<td>Software and data cable supplied</td>
</tr>
<tr>
<td>Clock function</td>
<td>Real time</td>
</tr>
<tr>
<td>Power supply</td>
<td>12 V DC (power adaptor/charger supplied 100-250 V AC)</td>
</tr>
<tr>
<td>Rechargeable battery</td>
<td>Lithium polymer 12 V DC</td>
</tr>
<tr>
<td>Enclosure material and rating</td>
<td>PC and ABS; IP20 and NEMA 1 equivalent</td>
</tr>
<tr>
<td>Size (with sensor head)</td>
<td>195 x 122 x 54 mm; 75/8 x 4¾ x 21/8 in</td>
</tr>
<tr>
<td>Weight (with sensor head and battery)</td>
<td>&lt; 460 g; &lt; 16 oz</td>
</tr>
<tr>
<td>Environmental operating conditions</td>
<td>Temperature: -5°C to 45°C [23°F to 113°F]; Humidity: 0 to 95% non-condensing</td>
</tr>
<tr>
<td>Temperature &amp; Humidity sensor</td>
<td>Range -40°C to 124°C [-40°F to 255°F]; Range 0 to 100% RH</td>
</tr>
<tr>
<td>Approvals</td>
<td>Part 15 of FCC Rules; EN 50082-1: 1997; EN 50081-1: 1992</td>
</tr>
</tbody>
</table>

BENEFITS
- Fits comfortably in the hand
- One monitor compatible with four different ranges of ozone sensor
- Data logged directly onto monitor base
- Changing sensors takes seconds and can be done anywhere
- Free PC software (Windows 7, 8, XP compatible)
- Remote sensor capability
- Long life lithium battery technology
- Zero and span calibrate in the field
- Connect direct to PC via USB
- Audible alarm functionality
PORTABLE OZONE MONITOR

SERIES 500

ORDERING INFORMATION

Included

- Monitor base
- LCD digital display
- Lithium battery and charger
- In-built datalogger
- 0-5 V output
- Zero and span adjustment
- Low and high alarm
- Monitor to USB cable
- PC software

Features

- Built-in data-logging
- Lithium battery as standard
- PC software (Windows 7, 8, XP)
- Connect to PC via USB cable
- High and low alarms, control output
- Link data to a specific location and monitor
- Interchangeable gas sensor heads (30+ choices)
- Temperature and RH sensor optional (plug-and-play)

Sensors heads available for

- 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

Optional accessories

- Remote sensor kit
- Spare battery
- Car adaptor
- Wall bracket
- Carry case