SERIES 300

The Series 300 monitor is a versatile monitor with the ability to accurately measure multiple target gases at different concentrations in indoor and outdoor applications. Able to control outputs and with built-in high and low alarms the Series 300 can function in both fixed and portable mode, offering users maximum flexibility.

TYPICAL APPLICATIONS
- Ozone process control
- Personal exposure monitoring
- Source and leak detection
- Health and safety monitoring

SPECIFICATION

<table>
<thead>
<tr>
<th>Measurement units</th>
<th>Gas: ppm or mg/m³</th>
<th>Humidity: %</th>
<th>Temperature °C or °F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading functions</td>
<td>Instant, minimum, maximum, average</td>
<td></td>
<td></td>
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<tr>
<td>Sensor head</td>
<td>Interchangeable, replaceable, refurbish-able</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display type</td>
<td>LCD</td>
<td></td>
<td></td>
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<tr>
<td>Alarm features</td>
<td>Low alarm, high alarm, mute (configurable)</td>
<td></td>
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<tr>
<td>Display status indicators</td>
<td>Alarm, battery, sensor, standby</td>
<td></td>
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<tr>
<td>External signal functions</td>
<td>Low alarm, high alarm, control (150 mA max)</td>
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<td></td>
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<tr>
<td>Sensor calibration features</td>
<td>Zero calibration, span calibration</td>
<td></td>
<td></td>
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<tr>
<td>Analog output</td>
<td>0-5 V</td>
<td></td>
<td></td>
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<tr>
<td>Power supply</td>
<td>12 V DC (power adaptor/charger supplied 100-250 V AC)</td>
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<tr>
<td>Rechargeable battery</td>
<td>Lithium polymer 12 V DC</td>
<td>2700 mA/h (2 hr charge time / 8 hr run time)</td>
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<tr>
<td>Enclosure material and rating</td>
<td>PC and ABS; IP20 and NEMA 1 equivalent</td>
<td></td>
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</tr>
<tr>
<td>Size (with sensor head)</td>
<td>195 x 122 x 54 mm; 75/8 x 4¾ x 21/8 in</td>
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<tr>
<td>Weight (with sensor head and battery)</td>
<td>&lt; 460 g; &lt; 16 oz</td>
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<tr>
<td>Environmental operating conditions</td>
<td>Temperature: -5 °C to 45 °C [23°F to 113°F]; Humidity: 0 to 95% non-condensating</td>
<td></td>
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</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>
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<tr>
<td>Approvals</td>
<td>Part 15 of FCC Rules; EN 50082-1: 1997; EN 50081-1: 1992</td>
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</tbody>
</table>

BENEFITS
- Very easy to use
- Fits comfortably in the hand
- Lithium battery allows a full eight hours in the field
- Audible alarm to notify ozone exceedences
- One monitor to measure 4 ranges of ozone
- Analogue output to control external devices e.g. ozone generator
- Changing sensors takes seconds and can be done anywhere
- Recalibrate sensor in the field or by returning to the factory
- Large display gives min., max. and average readings
## ORDERING INFORMATION

### Included
- Monitor base
- LCD digital display
- Lithium battery and charger
- Zero and span adjustment
- Low and high alarm
- 0-5 V output

### Features
- External control outputs
- High and low alarms
- Interchangeable gas sensor heads
- Easy to use and maintain
- Power adaptor/charger included
- Remote sensor capability
- 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