

Ozone Monitors

Series 300 & 500

Aeroqual's ergonomically designed, state of the art Ozone monitors measure Ozone levels with high accuracy and operational simplicity. Specific sensor head and base combinations offer the flexibility to monitor high or low Ozone concentrations.

- High accuracy
- Rapid T90 response
- Onboard & PC data logging (Series 500)
- Replaceable sensor head
- External control signals
- Remote sensor capability
- Portable & wall mountable
- High/low alarm
- Battery and/or mains power



Specifications

| | |
|---------------------------------------|-----------------------------------|
| Sensor type | Gas Sensitive Semiconductor (GSS) |
| Measurement range | |
| Low Concentration Ozone Head | 0.000 to 0.500 ppm |
| High Concentration Ozone Head | 0.00 to 5.00 ppm |
| Accuracy | |
| Low Concentration Ozone Head | +/- 0.010 ppm (0 to 0.100 ppm) |
| | +/- 10% (0.100 to 0.500 ppm) |
| High Concentration Ozone Head | +/- 10% (0.20 to 5.00 ppm) |
| T90 response time | |
| Low Concentration Ozone Head | 100 seconds |
| High Concentration Ozone Head | 35 seconds |
| Display type | High resolution LCD |
| Resolution | |
| Low Concentration Ozone Head | 0.001 ppm |
| High Concentration Ozone Head | 0.01 ppm |
| Operating temperature range | -5° C to 50° C |
| Relative humidity limits | 5% and 95% |
| Measurement units | ppm or mg/m ³ |
| Removable / replaceable sensor head | Yes |
| On-board alarm | Yes |
| Alarm status displayed | Yes |
| Battery status indication | Yes |
| Alarm mute function | Yes |
| Sensor condition status | Yes |
| Stand-by mode | Yes |
| External signals | |
| Control | 12VDC, 150 mA |
| Alarm | 12VDC, 150 mA |
| Analogue output | 0-5 V |
| Power supply | 12 VDC, 800 mA |
| Rechargeable battery pack (optional) | 9.6V Ni-MH (4 hours operation) |
| Portable (with optional battery pack) | Yes |
| Permanently fixable | Yes, Screw fix |
| Remote Sensor Capability | Yes |

Ozone Monitors Series 300 & 500

500 Series only:

| | |
|--------------------------------|-------------------|
| Data interface with PC | Yes, Serial RS232 |
| On Board Data Logging | 8,000 data points |
| Data logging independent of PC | Yes |
| Data logging direct to PC | Yes |
| On-board real-time clock | Yes |
| Data logging software supplied | Yes |

Low concentration Ozone Sensor Head

The low concentration ozone sensor head has been designed to not normally require recalibration for the life of the sensor head.

High concentration Ozone Sensor Head

The high concentration ozone sensor head is designed to provide a rapid T90 response. To maintain accuracy, an on-board reset routine can be implemented periodically (in the absence of ozone). This is performed via the "Reset routine" menu option during routine maintenance cycles. The frequency of the maintenance cycle is dependant on the application conditions and level of accuracy required by the user.

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