



Series 900 | 905

Gas Transmitter & Controller

Features

- Active sampling for higher accuracy
- Multiple analog & digital outputs
- Real-time network capability
- Interchangeable sensor heads
- PC data logging & networking option
- Temperature & RH sensor (Series 905)



Applications

- Ozone generator control applications
- Ambient & monitoring and control
- Real-time network monitoring
- Indoor air quality monitoring
- Health & safety

Specifications

| | |
|--|--|
| Power (user supplied) | Regulated 12V DC, 800mA |
| Analogue output | 4-20mA (opto-isolated), 10-30V |
| External signal type | Transistor outputs (4) |
| External signal functions | Low Alarm, High Alarm, Control and Diagnostics |
| Inputs | Standby toggle |
| Communication | RS485 (Aeroqual proprietary protocol) |
| Jumpers | J1, J2, J3 termination resistors |
| Connectors | Screw |
| ID | 1 (Default) - User configurable from 1 to 255 |
| Alarm set points (2) | User configurable |
| Control set point | User configurable |
| Removable / replaceable / refurbish-able sensor head | Yes |
| Sampling method | Active sampling via internal sensor fan |
| Temperature & Humidity sensor (Series 905) | Range -40°C to 124°C (-40°F to 255°F) Range 0 to 100% RH |
| Configuration software (standard) | PC Configuration Program CD (supplied) |
| Data logging & networking software (optional) | PC Data Logging & Networking CD (code: R60) |
| USB interface (optional) | RS485 to USB converter (code: R53) |
| Power supply (optional) | 12V DC DIN rail mount 100-250V AC (code: R37) |
| Enclosure casing & rating | Polycarbonate; IP20 & NEMA 1 equivalent |
| Enclosure size (with base unit) | 64 x 130 Ø (mm); 2½ x 5½ Ø (in) |
| Mounting | Screw fixture |
| Weight | < 200 g; < 7 oz |
| Approvals | Part 15 of FCC Rules EN 50082-1: 1997 EN 50081-1: 1992 |



Ozone Sensor Heads (other gases available)

| Sensor Head | Calibrated Range | Maximum Exposure | Lowest Detection | Accuracy of Calibration | Resolution | Response Time (T90) | Operating Conditions |
|-------------|------------------|------------------|------------------|--|------------|---------------------|--|
| OZU | 0-0.15ppm | 0.25ppm | 0.001ppm | <±0.005 ppm | 0.001ppm | < 70 s | Temperature -5°C to 40°C Humidity 5 to 95% RH (non-condensing) |
| OZL | 0-0.5ppm | 1ppm | 0.001ppm | <±0.008 ppm 0- 0.1ppm <±10% 0.1-0.5 ppm | 0.001ppm | < 60 s | |
| OZG | 0-10ppm | 15ppm | 0.01ppm | <±0.1 ppm 0-1 ppm <±15% 1-10 ppm | 0.01ppm | < 60 s | |