



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	