

Series 960s

UV Ozone Photometer

Description

The Aeroqual Series 960 UV Ozone Photometer is designed for measurement and control of ozone in the range 0-200 ppm using a single beam UV photometer. It has a wall mountable enclosure with excellent ingress protection. The Series 960 offers advanced monitoring and control for singular or network solutions. PC data logging and networking software is available.



Features

- Wide measurement range (0-200 ppm)
- Single-beam UV photometer
- Pump sampling via PTFE tubing (e.g. monitoring outside of a room or duct)
- Multiple outputs (transistor, 4-20mA, RS485)
- PC data logging and networking option
- LED display and Temperature/RH sensor options

Specifications

Calibrated range	0-200 ppm Ozone
Precision	<±5% of reading above 0.2 ppm ±0.01 ppm below 0.2 ppm
Resolution	0.01 ppm
Sampling method	Brushless DC diaphragm pump
T90	<60s
Sample flow rate	0.4 ±0.05 LPM
Wetted materials	Kynar, Teflon PFA, quartz, aluminium, Viton
Inlet filter	5 µm pore size, 37 mm PTFE filter
Pneumatic connections	Kynar 1/4" compression fittings
Environmental operating conditions	
Temperature	0-40 °C
RH	0-95% RH (non-condensating)
Power requirements	24V DC, 2A
Display (optional)	4.5 digit LED (red)
Analog outputs	4-20mA (opto-isolated) 12-24V DC (30V DC max) maximum loop resistance 500Ω at 24V, 16 bit resolution
Digital interface	RS485 (2 wire) protocol supplied
Transistor outputs	4 x transistor outputs (Control, Diagnostics, High Alarm, Low Alarm)
User configurable set points	Low alarm, High alarm, Control
Inputs	Standby toggle (turns off pump)
Enclosure	ABS Plastic, IP65 (Except inlet and Exhaust)
Configuration software	Supplied
Options DC relay board	2x SPDT 10A max switching current
Accessories (optional)	
PC data logging & networking software	Product code: R60
USB interface	Product code: R53 (RS485-to-USB converter)
Power supply	Product code: R38 (24V DC DIN rail mount 100-250V AC)
Inlet filters	Product code: R12 (25 pack)
Additional tubing	Product code: R66 (10 m x 6.25 mm OD PFA tubing)