

Series 960

UV Ozone Photometer

Description

The Aeroqual Series 960 UV Ozone Photometer is designed for measurement and control of ozone in the range 0-100 ppm using a single beam UV photometer. It has a wall mountable enclosure with excellent ingress protection and inbuilt Nafion dryer to avoid condensation inside the optical bench. The Series 960 offers advanced monitoring and control for singular or network solutions. PC data logging and networking software is available.



Indicative picture of Series 960 with LED display option

Features

- Single-beam UV photometer (linear output)
- Pump sampling via PTFE tubing (e.g. monitoring outside of a room or duct)
- Multiple outputs (relay, analog and digital)
- Excellent ingress protection
- Real-time network capability
- PC data logging and networking option
- LED display option

Specifications

Range	0-100 ppm Ozone
Precision	<±5% or reading ±0.01 ppm below 0.2 ppm
Resolution	0.01 ppm
Sampling method	BLDC diaphragm pump
Sample flow rate	0.4 ±0.05 LPM
Inlet filter	5 µm pore size, 37 mm PTFE filter
Environmental operating conditions	
Temperature	0-40 °C
RH	0-95% RH (non-condensating)
Power requirements	24VDC, 1A
Display (optional)	3.5 digit LED
Analog outputs	4-20mA (opto-isolated) 12-24V DC (30V DC max) maximum loop resistance 500Ω at 24V
Digital interface	RS485 (2 wire)
Relay outputs	2 x SPDT relay outputs (High Alarm, Low Alarm)
External signal type	2 x open collector transistor outputs (Control, Diagnostics)
User configurable set points	Low alarm, High alarm, Control
Inputs	Standby toggle
Jumpers	J1, J2, J3 termination resistors
Connectors	Screw
ID	1 (default) user configurable from 1 to 255
Enclosure	ABS plastic, IP65 340 x 150 x 100 mm
Configuration software	Supplied
PC data logging & networking software (optional)	Product code: R60
USB interface (optional)	Product code: R53 (RS485-to-USB converter)
Power supply (optional)	Product code: R38 (24VDC DIN rail mount 100-250V AC)