

Series 960H

High Ozone Transmitter

The Series 960H is a wall-mounted monitor that harnesses the benefits of UV photometry to deliver stable and reliable measurement and control in high ozone applications (up to 200 ppm). Applications include food storage, water treatment, building remediation and hospitals where high ozone concentrations are used for odor control, disinfection and sterilisation purposes.



Features

- High ozone measurement range (0-200 ppm)
- IP65 / NEMA 4 enclosure
- 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 and network software included
- LED display and Temperature/RH sensor options

Specifications

Calibrated range	0-200 ppm Ozone
Accuracy	<±5% of reading
Resolution	0.1 ppm
Minimum detection limit	<0.1 ppm
Sampling method	Brushless DC diaphragm pump
T90	<60s
Sample flow rate	0.4 ±0.05 LPM
Wetted materials	PVDF, PFA, nafion, quartz, aluminium, viton
Inlet filter	5 µm pore size, 37 mm PTFE filter
Pneumatic connections	Kynar ¼" compression fittings
Environmental operating conditions	Temperature: 0-40°C ; Humidity: 0-95% RH (non-condensating)
Power requirements	24V DC, 2A
4-20mA display (optional)	3.5 digit LED (blue)
Analog output	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)
Software	Included for configuration, PC datalogging, and networking
DC relay board	2x SPDT 10A max switching current
Optional Accessories & Spares	
FM DISP01	Integrated 4-20mA display LED 3.5 digit (blue)
AS R53	Serial RS 485 to USB Converter
AS R65	Replacement external filters (5 microns, hydrophobic, 12 per pack)
AS R66	PFA sampling tube 6.25 mm OD (per meter)
AS R67	Replacement UV lamp & block
AS R68	Replacement pump
AS R76	Replacement set of ozone scrubbers (3x)

