



SERIES 940

The Series 940 Fixed Ozone Monitor is a pumped monitor compatible with two ranges of ozone sensor as well as a temperature and humidity sensor, if required. Its pumped design means the Series 940 is capable of measuring ozone in remote locations such as a duct or separate room. A filter can also be installed on the inlet which will extend the life of the sensor when used in dusty environments. The sensor is housed in a robust IP65/NEMA 4 rated water resistant enclosure protecting it from water damage. There is also the option to include an integrated display for reporting real-time ozone concentrations.



TYPICAL APPLICATIONS

- Food and cold storage
- Duct sampling
- Ozone leak detection
- Filtered air sampling

SPECIFICATION

Power (user supplied)	24 V DC, 500 mA (range 22-26 V DC)	Temperature & humidity sensor	Range -40°C to 124°C (-40°F to 255°F) Range 0 to 100% RH
Analogue output	4-20 mA (opto-isolated), 12-24 V	Configuration software	PC Configuration Software
External signal type	Transistor output (150mA max)	Data logging & networking software	PC Data Logging & Networking Software
External signals (4)	Low Alarm High Alarm Control Diagnostics	USB interface (optional)	RS485 to USB converter
LED Display	Optional	Enclosure casing	Fibre reinforced polycarbonate IP41 & NEMA 2 equivalent
Inputs	Standby toggle	Enclosure size	230 x 140 x 95 mm; 9 x 5½ x 3¾ in
Communication	RS485 (Aeroqual proprietary protocol)	Weight	< 1100 g; < 1 lb 3 oz
Jumpers	J1, J2, J3 termination resistors	Approvals	Part 15 of FCC Rules EN 50082-1: 1997 EN 50081-1: 1992
Connectors	Screw		
ID	1 (Default) user configurable from 1 to 255		
Alarm set points (2)	User configurable		
Control set point	User configurable		
Removable/replaceable sensor head	Yes		
Sampling method	Diaphragm pump with long-life brushless DC motor		



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BENEFITS

- Flexible use due to wide range of outputs and configurations
- Network capability to monitor at several sites simultaneously
- Capable of remote sampling due to integrated pump
- Easy to configure alarm and control outputs via PC software
- Sensor enclosed in tamper proof, water-resistant enclosure
- Optional display to report real-time ozone concentrations
- To recalibrate simply send the sensor back to the factory
- Easy to mount
- Active sampling for higher accuracy
- Changing sensor heads is quick and easy, no additional configuration required



ORDERING INFORMATION

Included

Series 940 monitor base
4-20 mA analog output
RS485 digital output
Low alarm, high alarm, control and diagnostic external signal functions
Integrated relays
Ozone sensor head with calibration certificate
5 microns, hydrophobic inlet filter
Wall mounting kit
Temperature and relative humidity sensor (optional)
Integrated display (optional)

Features

Active sampling via teflon tubing & pump
Excellent water ingress protection
Remote sampling from inaccessible areas
Multiple analog & digital outputs
Large LED display option
Real-time network capability
PC data logging & networking
Temperature & RH sensor (optional)

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