



Series 900



Series 930

Shown with optional LED display, strobe and siren

SERIES 900

The Series 900 Fixed Ozone Monitor is a flexible monitor compatible with four ranges of ozone sensor as well as a temperature and humidity sensor, if required. It is designed to measure and control ozone concentrations and communicate to a variety of hardware systems.

SERIES 930

The Series 930 is a networkable monitor with control and alarm outputs, all housed in a robust water resistant enclosure. By selecting one of our many interchangeable sensor heads, the Series 930 can be used in a wide range of industrial applications including gas leak detection, health and safety, and process control.

Monitors at a glance

Feature / Series	900	930
Active fan sampling	✓	✓
PC data logging and real-time network capability	✓	✓
Multiple analogue and digital outputs	✓	✓
Interchangeable sensor heads	All gases	Some gases
Enclosure	IP20/NEMA 1	IP41/NEMA 2
Options		
Temperature and RH sensor	✓	✓
Large LED display		✓
Strobe and siren		✓

Sensors

Aeroqual uses a unique system of interchangeable sensors making it simple to replace one sensor for another.

Gas* / Application Type**	ENV	IAQ	IND	900	930
Ammonia (NH ₃)			✓	✓	*
Carbon monoxide (CO)	✓	✓	✓	✓	*
Carbon dioxide (CO ₂)	✓	✓	✓	✓	
Chlorine (Cl ₂)	✓		✓	✓	✓
Formaldehyde (CH ₂ O)			✓	✓	✓
Hydrogen (H ₂)			✓	✓	
Methane (CH ₄)			✓	✓	✓
Hydrogen sulphide (H ₂ S)	✓		✓	✓	*
Nitrogen dioxide (NO ₂)	✓			✓	✓
Non methane hydrocarbon (NMHC)	✓			✓	
Ozone (O ₃)	✓	✓	✓	✓	✓
Perchloroethylene (C ₂ Cl ₄)		✓	✓	✓	
Sulphur dioxide (SO ₂)	✓		✓	✓	✓
Volatile organic compounds (VOC)	✓		✓	✓	*

*Refer to the separate gas sensor specification sheet for the full range of sensors.

**Application type: ENV = outdoor environmental monitoring, IAQ = indoor air quality, IND = industrial health and safety.

BENEFITS

- Flexible use due to wide range of outputs
- Network capability to monitor at several sites simultaneously
- Easy to configure alarm and control outputs via PC software
- Easy to mount
- Active sampling for higher accuracy
- Changing sensor heads is quick and easy, no additional configuration required

ADDITIONAL FOR 930

- Optional display to report real-time ozone concentrations
- Configurable strobe and siren for alerting ozone exceedences





TYPICAL APPLICATIONS

- Health and safety specifications
- Indoor air quality monitoring
- Ozone leak detection
- Real-time network monitoring



Specifications

Feature / Series	Series 900	Series 930
Applications	Ozone generator control, indoor air quality, real-time network monitoring, health and safety and process control.	Industrial applications for gas leak detection, real-time network monitoring, health and safety and process control.
Measurement units	Gas: ppm or mg/m ³ Optional: Humidity: % a Temperature: °C or oF	
Reading functions	Instant, minimum, maximum, average	
Sensor head type	 Sensor head Interchangeable	 Sensor head Removable / Replaceable
Sampling method	Active sampling via internal sensor head fan	Active sampling via internal sensor head fan
Analog output	4-20 mA (opto-isolated), 10-30 Vdc	4-20 mA (opto-isolated), 12-24 Vdc
External signal type	Transistor output (4) [24 Vdc at 150 mA max]	
External signal functions	Low Alarm High Alarm Control Diagnostics	
External signal input	Standby toggle	
Connectors	Screw type	
Monitor Identification (ID)	1 (Default) User configurable from 1 to 255	
Alarm set points	User configurable Low Alarm High Alarm	
Control set point	User configurable Low Alarm High Alarm	
Communication	RS-485 (Aeroqual proprietary protocol)	
Software	Free PC Configuration software and logging Link data to a specific location and monitor (Data cable required)	
Interface (optional)	RS-485 to USB cable	
Power (user supplied)	Regulated 12 Vdc, 800 mA	24 Vdc, 500 mA (range 22-24 Vdc)
Monitor base/enclosure material and rating	Polycarbonate IP20 NEMA 1 equivalent	Polycarbonate IP41 NEMA 2 equivalent
Size (with sensor head) (L x W x H)	64 H x 130 ø mm; 2½ x 5½ ø in	180 x 110 x 90 mm 7 ¼ x 4¾ x 3½ in
Weight (Incl. Sensor)	< 200 g; < 7 oz	< 850 g; < 30 oz
Environmental operating conditions	0°C to 40°C 32°F to 104°F	
Approvals	Part 15 of FCC Rules, EN 61000-6-3: 200, EN 61000-6-1: 2001	





Ordering information

Included	Series 900	Series 930
	Series 900 Monitor Base 4-20 mA analog output RS485 digital output Low alarm, high alarm, control and diagnostics external signal functions Ozone sensor head with calibration certificate Wall mounting kit Temperature and relative humidity sensor (optional)	Series 930 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 Wall mounting kit Temperature and relative humidity sensor (optional) Integrated display (optional) Configurable strobe and siren kit (optional)
Features	Series 900	Series 930
	Active sampling for higher accuracy Multiple analog & digital outputs Real-time network capability Interchangeable sensor heads PC data logging & networking option Optional temperature & RH sensor	Active sampling for higher accuracy Tamperproof, water-resistant enclosure Multiple output transmitter Real-time network capability Data-logging and network software included Large LED display option Temperature/RH sensor and siren/strobe options

SERIES 900 & 930

The sensors are used by researchers, professionals, and non-experts alike to gather indoor air quality data from indoor environments. Commercially they are used for ozone generator control, process control, monitoring controlled atmospheres, air quality, and health and safety compliance.

Optional accessories



Temperature/ RH Sensor
FM TRH01



Monitor RS485 to USB Cable
AS R17



Integrated display (930 Only)
FM DISP01



Siren & strobe (930 Only)
AS R23D

Elektravägen 53
SE-126 30 Hägersten, Sweden
+46 8 714 07 00
www.ozonotech.com