

Series 930 | 935

Transmitter & Controller

Features

- Active sampling for higher accuracy
- Tamperproof & water resistant enclosure
- Multiple analog & digital outputs
- Real-time network capability
- Large LED local display option
- Temperature & humidity sensor (S935)
- PC data logging & networking option

Applications

- Aggressive ambient environments
- Gas alarm & control applications
- Indoor air quality monitoring
- Real-time network monitoring



Series 935 Ozone Monitor with temperature & humidity sensor

Specifications

Power (user supplied)	24VDC, 500mA (range 22-26 VDC)
Analogue output	4-20mA (opto-isolated), 12-24 V
External signal type	Transistor output
External signals (4)	Low Alarm High Alarm Control Diagnostics
LED Display	Optional
Inputs	Standby toggle
Communication	RS485
Jumpers	J1, J2, J3 termination resistors
ID	1 (Default) User configurable from 1 - 255
Alarm set points (2)	User configurable
Control set point	User configurable
RS485 protocol	Aeroqual proprietary product
Removable & replaceable sensor head	Yes
Temperature & humidity sensor (Series 935)	Range -40°C to 124°C (-40°F to 255°F) Range 0 to 100% RH
Software (standard)	PC Configuration Program CD
Software (optional)	PC Data Logging & Networking CD(code: R60)
Enclosure rating	IP41 & NEMA 2 equivalent
Enclosure casing	Fibre reinforced polycarbonate
Enclosure size	180W x 110H x 90D (mm); 7¼W x 4¼H x 3½D (in)
Weight	< 850 g; < 30 oz
Approvals	Part 15 of FCC Rules EN 50082-1: 1997 EN 50081-1: 1992



Ozone Sensor Heads (other gases available)

Sensor Head	Calibrated Range	Maximum Exposure	Lowest Detection Limit	Accuracy of Calibration	Resolution	Response Time (T90)	Operating Conditions
Ultra low	0 - 0.150 ppm	0.25 ppm	1 ppb	<± 0.005 ppm	0.001 ppm	< 70 s	Temperature -5°C to 40°C Humidity 5 to 95% RH (non-condensating)
Low	0 - 0.5 ppm	1.0 ppm	1 ppb	<± 0.008 < 0.1 ppm <± 10% 0.1 - 0.5 ppm	0.001 ppm	< 60 s	
High	0.5 - 20 ppm	25 ppm	10 ppb	<± 10% 0.2 - 2 ppm <± 15% 2 - 20 ppm	0.01 ppm	< 60 s	