

Series 200 Monitor

Specification

Series 200 Monitor Base

Measurement units	ppm
Removable / replaceable sensor head	Yes
On-board alarm	No
Alarm status displayed	No
Low battery indication	Yes
Alarm mute function	No
Sensor condition status	Yes
Stand-by mode	Yes
External signal for alarms & control	None
External signal functions	None
Analogue output	None
Power supply	12 VDC, 800 mA
Rechargeable battery pack (2 x options)	Standard 9.6V (940mA/hr Ni-Cd) Long Life 9.6V (2100mA/hr Ni-MH)
Portable	Yes
Permanently fixable	Screw fix
Remote Sensor Capability	Yes
Enclosure rating	IP20 & NEMA 1 equivalent
Size (with sensor head)	195 x 122 x 54 (mm); 7 ⁵ / ₈ x 4 ³ / ₄ x 2 ¹ / ₈ (in)
Weight (with sensor head and battery)	< 460 g; < 16 oz
Approvals	Part 15 of FCC Rules EN 50082-1: 1997 EN50081-1: 1992



Ozone Sensor Head Specifications

Sensor Heads	Low	High	Leak
Measurement range	0.000 - 0.500 ppm	0.50 - 20.00 ppm	0.00 - 50.00 ppm
Accuracy	< 0.008 ppm (0 - 0.100 ppm) ± 10% (0.100 – 0.500 ppm)	± 10% (0.20 - 2.00 ppm) ± 15% (2.00 - 20.00 ppm)	± 20%, 15 seconds after Reset
Resolution	0.001 ppm	0.01 ppm	0.01 ppm
Controlled Atmosphere Version	Available on Request	Available on Request	Available on Request
T90 Response	< 60 seconds (T90)	< 35 seconds (T90)	< 10 seconds
Sensor type	Gas-sensitive semiconductor		
Operating temperature range	-5°C to 50°C; 23°F to 122°F (sensor head and base unit)		
Relative humidity limit	95% maximum (sensor head and base unit)		

VOC Sensor Head Specification *

Measurement range	0 to 400 ppm toluene
Accuracy	< +/- 10 ppm (0 – 200 ppm) < +/- 10% (> 200 ppm)
T90 response	< 60 s
Sensor type	Gas-sensitive semiconductor
Operating temperature range	-20°C to 60°C
Operating relative humidity range	5 to 95% non-condensating

* Specific Calibrations to other VOC's available – contact Aeroqual Sales

Ammonia Sensor Head Specification

Measurement range	0 to 1000 ppm
Accuracy	< +/- 5 ppm (0 – 100 ppm) < +/- 10% (100 – 1000 ppm)
T90 response	< 60 s
Sensor type	Gas-sensitive semiconductor
Operating temperature range	-20°C to 60°C;
Operating relative humidity range	5 to 95% non-condensating

CO Sensor Head Specification

Measurement range	0 to 2000 ppm carbon monoxide
Accuracy	< +/- 10 ppm in the range 0 to 400 ppm
T90 response	< 150s
Sensor type	Gas-sensitive semiconductor
Operating temperature range	0°C to 70°C;
Operating relative humidity range	5 to 95% non-condensating
Approvals	UL 2034, BS 7860