

Portable Air Quality Monitors

Series 200 / 300 / 500



Aeroqual portable air quality monitors are a cost-effective solution to accurately measure multiple target gases at different concentrations in indoor and outdoor applications.

Monitors at a glance

Feature / Series	200	300	500
Simple to use, easy to maintain, multiple applications	✓	✓	✓
Interchangeable gas sensor heads	✓	✓	✓
Field replaceable long life Lithium battery (up to 8 hours)	✓	✓	✓
Minimum, maximum and average readings	✓	✓	✓
Zero calibration, gain adjustment	Zero Only	✓	✓
High and low alarms		✓	✓
Analog outputs (0-5V)		✓	✓
Data logging (Up to 8,188 records (2706 incl. temp/RH))			✓
Free desktop software (Series 500)			✓

Sensors

Aeroqual uses a unique system of interchangeable sensor heads so that one monitor can measure many gases, and servicing is as simple as swapping one sensor head for another.



Gas* / Application Type**	ENV	IAQ	IND
Ammonia (NH ₃)			✓
Carbon monoxide (CO)	✓	✓	✓
Carbon dioxide (CO ₂)	✓	✓	✓
Chlorine (Cl ₂)	✓		✓
Formaldehyde (CH ₂ O)			✓
Hydrogen (H ₂)			✓
Hydrogen sulphide (H ₂ S)	✓		✓
Methane (CH ₄)			✓
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.

Specifications

Feature / Series	Series 200	Series 300	Series 500
Measurement units	Gas: ppm or mg/m ³ Humidity: % Temperature °C or F		
Reading functions	Instant, minimum, maximum, average		
Sensor head	Interchangeable, replaceable		
Display status indicators	Battery, sensor, standby		
Sensor calibration	Zero calibration	Zero and gain calibration	Zero and gain calibration
Analog output	-	0-5 V	0-5 V
Digital interface	-	-	RS-232 to USB
Data logging	-	-	Up to 8,188 records (2706 incl. Temp/RH)
PC data logging (Windows 7, 8, XP)	-	-	Software and data cable supplied. Link data to a specific location and monitor.
Clock function	-	-	Real time
Power supply	12V DC (power adaptor/charger supplied 100-250 V AC)		
Rechargeable battery	Lithium polymer 12 V DC 2700 mA/h		
Enclosure material and rating	PC and ABS; IP20 and NEMA 1 equivalent		
Size (with sensor head)	(L x W x D) 195 x 122 x 54 (mm); 7 $\frac{7}{8}$ x 4 $\frac{3}{4}$ x 2 $\frac{1}{8}$ (in)		
Weight (with sensor head and battery)	< 460 g; < 16 oz		
Environmental operating conditions	Temperature: -5 °C to 45 °C Humidity: 0 to 95 % non-condensing		
Temperature & Humidity sensor	Range - 40 °C to 124 °C (- 40 °F to 255 °F); Range 0 to 100 % RH		
Approvals	Part 15 of FCC Rules; EN 50082-1: 1997; EN 50081-1: 1992		



Optional accessories

