aeroqual™

SERIES 200/300/500

GasSensing
MAKING SENSE OF THE AIR WE BREATHE

| **Series 200** | **Series 300** | **Series 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$_2$)			✓
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.

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); 7⅝ x 4¾ x 2⅛ (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		

FC   CE   C

Optional accessories

Temperature/ RH Sensor
HH TRH

Wall Bracket
AS R33

Monitor
to USB Cable
AS R19

Calibration kit
AS R42

Remote Sensor Kit
AS R10

Cigarette Lighter Adaptor
AS R32

Lithium Battery
AS R36

NiMH Battery
AS R31

Carry Case Small
AS R40

Carry Case Large
AS R41