aeroqual

PORTABLE AIR QUALITY MONITORS

Accurate real-time air quality information, made affordable

Designed for those who need a handheld device to gather real-time information on the surrounding air.

A simple tool for professionals and enthusiasts alike, the portable monitors can be configured with 28 different gas and particle sensors.

Suitable for measuring target gases in ambient air at different concentrations in outdoor or indoor environments.



Series 200 **Series 300** **Series 500**

What are they for?

- Environmental impact assessments
- Indoor air quality testing
- Checking air pollution “hot spots”
- Educational tool for schools
- Community air pollution monitoring
- Validating air quality models
- Health and safety compliance
- Personal exposure monitoring

What can it measure?

- Interchangeable sensor heads enable measurement from a choice of 16 different gases or particulates.

PM_{10} $PM_{2.5}$ VOC O_3 NO_2 CO
CO_2 SO_2 CH_2O H_2S NH_3 Cl_2
CH_4 H_2 NMHC C_2Cl_4 TRH

Who is it for?

- **Air quality professionals** who need real-time defensible measurements
- **Community groups** who need cost-effective scientifically credible air quality data
- **Educators** who want students to learn about air pollution in a way that supports STEM
- **Health and safety managers** who need to demonstrate safe environments
- **Researchers** who want to collect scientifically robust data on a limited budget
- **Environmental consultants** who need a portable device for periodic and discrete monitoring
- **Citizens** who want to measure their personal exposure to air pollution

Specifications | Portable air quality monitors

Portable monitor system specifications		Series 200	Series 300	Series 500
Measurement units	Gas: ppm or mg/m³ | Humidity: % | Temperature °C or °F	✓	✓	✓
Reading functions	Instant, minimum, maximum, average	✓	✓	✓
Sensor head	Active fan sampling to ensure high accuracy measurements, interchangeable, replaceable	✓	✓	✓
Sensor head calibration	Zero and span calibration	Zero Only	✓	✓
Temperature & humidity sensor	Range -40°C to 124°C (-40°F to 255°F); Range 0 to 100 % RH	✓	✓	✓
Environmental operating conditions	Temperature: -5°C to 45°C | Humidity: 0 to 95% non-condensing	✓	✓	✓
Display status indicators	Battery, sensor, standby	✓	✓	✓
Power supply	12Vdc (power adaptor/charger supplied 100-250Vac)	✓	✓	✓
Rechargeable battery	Lithium-ion 12Vdc 2700 mA.h	✓	✓	✓
Enclosure material and rating	PC and ABS; IP20 and NEMA 1 equivalent	✓	✓	✓
Size	(L x W x D) 195 x 122 x 54 (mm); 7⅝ x 4¾ x 2⅛ (in) (with sensor head)	✓	✓	✓
Weight	<460g; <16oz (with sensor head and battery)	✓	✓	✓
Approvals	Part 15 of FCC Rules; EN 50082-1: 1997; EN 50081-1: 1992	✓	✓	✓
Analog output	0-5V		✓	✓
Clock function	Real time			✓
Digital interface	RS-232 to USB			✓
Data logging	Up to 8,188 records (2706 incl. Temp/RH)			✓
PC data logging (Windows)	Software and data cable supplied. Link data to a specific location and monitor.			✓

Optional accessories



Temperature/ RH Sensor
HH TRH



Wall Bracket
AS R33



Industrial Enclosure
HH ENC



Calibration Kit
AS R42



Remote Sensor Kit
AS R10



Cigarette Lighter Adaptor
AS R32



Lithium Battery
AS R36



Carry Case Small
AS R40



Carry Case Large
AS R41



IP41 Remote Sensor Kit
AS R13