

Series 500

Portable Air Quality Monitor

The Series 500 monitor from Aeroqual is a feature-rich portable monitor with the ability to accurately measure multiple target gases at different concentrations in indoor and outdoor applications.

Built-in data-logging and a long-life, fast-charging lithium battery makes the Series 500 the ultimate choice for air quality professionals, consultants, and researchers.

- Built-in data-logging
- Lithium battery as standard
- PC software (Windows 7, 8, XP)
- Connect to PC via USB cable
- High and low alarms, control output
- Link data to a specific location and monitor
- Interchangeable gas sensor heads (30+ choices)
- Temperature and RH sensor optional (plug-and-play)



Specifications

Measurement units
Reading functions
Alarm features
Display status indicators
Audible alarm
External signal functions
Sensor calibration features

Analog output
Digital interface
Data logging capacity
PC data logging
Clock function
Power supply
Rechargeable battery
Enclosure material and rating
Size (with sensor head)
Weight (with sensor head and battery)
Environmental operating conditions
Optional accessories
Temperature & Humidity sensor
Approvals

Accessories



Carry Case



Calibration Accessory



Remote Sensor Kit



Wall Mount

Gas: ppm or mg/m³ | Humidity: % | Temperature °C or F

Instant, minimum, maximum, average
Low alarm, high alarm, mute (configurable)
Alarm, battery, data logging, sensor, standby, monitor and location ID
Low and/or high alarm set points (with mute)
Low alarm, high Alarm, control (150mA max)
Zero calibration, gain adjustment
0-5V
RS232 to USB
Up to 8,188 records (2,706 incl. temp/RH)
Software and data cable supplied
Real time
12V DC (power adaptor/charger supplied 100-250V AC)
Lithium polymer 12V DC | 2700mA/h (2 hr charge time / 8 hr run time)
PC and ABS; IP20 and NEMA 1 equivalent
195 x 122 x 54 (mm); 7 7/8 x 4 3/4 x 2 1/8 (in)
< 460 g; < 16 oz
Temperature: -5 °C to 45 °C ; Humidity: 0 to 95% non-condensating
Remote sensor kit, spare battery, car adaptor, wall bracket, carry case
Range -40°C to 124°C (-40°F to 255°F); Range 0 to 100% RH
Part 15 of FCC Rules; EN 50082-1: 1997; EN 50081-1: 1992

Sensor heads are available for these gases:

Ammonia (NH₃)
Carbon dioxide (CO₂)
Carbon monoxide (CO)
Hydrogen (H₂)
Hydrogen sulphide (H₂S)
Methane (CH₄)
Nitrogen dioxide (NO₂)
Non methane hydrocarbon (NMHC)
Ozone (O₃)
Sulphur dioxide (SO₂)
Volatile organic compounds (VOC)
Multi-sensor head: VOC / CO / CO₂ or CO / CO₂