

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

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 | 2700mAh (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

Accessories



Carry Case



Calibration Accessory



Remote Sensor Kit



Wall Mount

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