

# 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/m<sup>3</sup> | 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-condensing  
 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 (NH<sub>3</sub>)
- Carbon dioxide (CO<sub>2</sub>)
- Carbon monoxide (CO)
- Hydrogen (H<sub>2</sub>)
- Hydrogen sulphide (H<sub>2</sub>S)
- Methane (CH<sub>4</sub>)
- Nitrogen dioxide (NO<sub>2</sub>)
- Non methane hydrocarbon (NMHC)
- Ozone (O<sub>3</sub>)
- Sulphur dioxide (SO<sub>2</sub>)
- Volatile organic compounds (VOC)
- Multi-sensor head: VOC / CO / CO<sub>2</sub> or CO / CO<sub>2</sub>