

# S Series

## Specification Sheet

### 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.

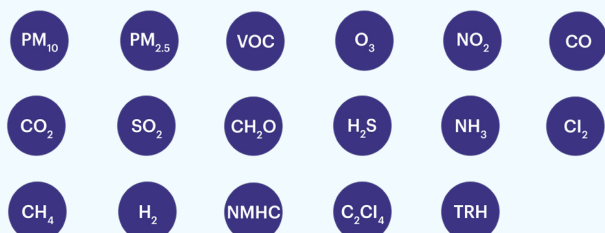


#### What are they for?

- 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 are they for?

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



#### 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 | S Series portable air quality monitors

| S Series system specifications     |                                                                                        | Series 300 | Series 500 |
|------------------------------------|----------------------------------------------------------------------------------------|------------|------------|
| Measurement units                  | Gas: ppm or mg/m <sup>3</sup>   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                                                              | ✓          | ✓          |
| 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); 7½ x 4¾ x 2½ (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         |            | ✓          |

For the full range of available sensors heads, visit our website; [www.aeroqual.com](http://www.aeroqual.com) or [download the list](#).

## Optional Accessories



**Temperature/ RH  
Sensor  
HH TRH**



**Wall Bracket  
AS R33**



**Industrial Enclosure  
HH ENC**



**Remote Sensor Kit  
AS R10**



**IP41 Remote Sensor  
Kit  
AS R13**



**Cigarette Lighter  
Adaptor  
AS R32**



**Lithium Battery  
AS R36**



**Carry Case Small  
AS R40**



**Carry Case Large  
AS R41**

