



Aeroqual

## Aeroqual AQS 1 Ambient Ozone Monitor

Pine Item #

### DESCRIPTION:

The AQS 1 is a compact air monitoring station designed to measure ambient ozone (O<sub>3</sub>) continuously and in real-time. Using Aeroqual's patented sensor technology the AQS 1 delivers very accurate measurements at a price that is well below traditional ambient air monitoring equipment.

Air quality professionals and researchers use the AQS 1 to better understand the spatial and temporal distribution of ozone which is an important 'criteria' pollutant. Ozone formation and distribution are complex and strategies for reducing ozone must start with accurate mapping of the ozone problem. To date monitoring equipment has been too expensive to deploy at a scale large enough to map ozone across large areas.

### FEATURES:

- Continuous real-time measurement of ambient ozone (O<sub>3</sub>)
- 1 part-per-billion (ppb) detection of ozone
- No cross-sensitivity to nitrogen dioxide (NO<sub>2</sub>)
- Upgradable to measure PM, NO<sub>2</sub>, VOCs
- Very high correlation to US EPA reference analyzers
- Can be field calibrated for maximum traceability
- Inlet heater to compensate for humidity effects
- Measures and reports data in 1-minute intervals with user-selectable averaging
- Onboard storage for over 5 years of data
- Rugged weatherproof enclosure with solar shielding for very hot climates
- Quick set up and relocation in under 10 minutes
- Email / SMS alerts and FTP data export (optional)
- Plug and play environmental sensors (optional)



### APPLICATIONS:

- Urban air monitoring networks
- National air monitoring networks
- Short term monitoring of 'hot spots'
- Community exposure: epidemiological studies, microenvironment, residential, schools, hospitals
- Environmental Impact Assessments

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# Product Specifications

<b>Dimensions (HxWxD)</b>	US: 19 x 13 x 7.4 in Metric: 483 x 330 x 187 mm
<b>Weight</b>	US: 28.6 lbs Metric: 13 kg



Local Delivery Pick-up



In-Stock Equipment



Repair & Calibration



Rental Protection Plan