

# We are proud to be the UK distributor of Aerosol Magee Scientific

Cura Terra Air has an exclusive partnership with Aerosol Magee Scientific, to supply world-leading instrumentation for the measurement and research of carbonaceous aerosols across the UK and Ireland

Black carbon and other carbonaceous aerosols are major contributors to air pollution and climate change. These particles not only degrade air quality and harm human health but also accelerate global warming.

Precise and widespread measurement is essential for identifying sources, monitoring trends, and shaping effective environmental and public health policies.

## Featured instruments

### Aethalometer AE33

The AE33 is an ideal solution for airborne soot measurement, trusted across continents to assist in climate, health, and policy research. A trusted workhorse that helped shape our understanding of traffic and biomass burning pollution. AE33 remains the go-to solution for consistent, real-time, high-quality black carbon data. Ideal for long-term measurement in environmental networks, academic research and industrial applications. AE33 is the preferred choice for institutions seeking a balance of precision, durability, and cost-effectiveness.

Aerosol Magee Scientific, originator of the Aethalometer, designs and manufactures advanced instruments for reliable measurement of black carbon and other carbonaceous aerosols.

Their technology is trusted by environmental researchers, climate scientists, regulatory agencies, and industrial operators worldwide - delivering precise air quality data to support informed decisions and impactful research. They are more than instrument makers - they are scientists. Their dedicated research team operates at the level of top academic institutions, ensuring that every product they create is grounded in rigorous, peer-reviewed science.



**Aethalometer AE33**

## Featured instruments

### Aethalometer AE36 / AE36s

The AE36 family sets the bar for real-time black carbon sensing, to collect scientifically rigorous data on traffic and biomass pollution. The AE36 helps air quality specialists increase understanding of particulate matter (PM) air pollution and gain insights into black carbon. Get accurate data you can trust, with less workload.

The AE36s enables the broadest range of studies yet, with low resources. It is based upon decades of scientific work and experience of thousands of installations and studies globally.



### TCA08 Total Carbon Analyser

The TCA08 Total Carbon Analyser provides real-time analysis of total carbon, including organic and elemental fractions, with precision and speed.

Continuous, high-precision measurement of total carbon in aerosols, capturing both organic and elemental carbon with flexible sampling from 20 minutes to 24 hours. Rugged, easy to operate, and using ambient air as carrier gas, it provides reliable data critical for air quality monitoring, health impact assessment, climate research, and emissions testing. Seamlessly integrated with the Aethalometer, the TCA08 enables comprehensive carbon aerosol characterisation for advanced environmental insights.



Aethalometer AE36s

### Carbonaceous Aerosol Speciation System (CASS)

Two powerhouses, one comprehensive carbon fingerprint. Seamlessly marrying the strengths of AE33 and TCA08, CASS delivers an unbeatable system to monitor black, organic, elemental and secondary organic aerosols, all in one integrated system.



CASS



## Contact

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