

# Air Quality Transmitter AQT530

**VAISALA**

## Product Spotlight

**Connect communities to the environment for improved health and safety for all**

With the right access to the right information, people gain a deeper connection to their environment and new ways of thinking about community.

A real-time, 360-degree view of air quality helps communities take action to protect public health, avoid pollution hot spots, optimize infrastructures, and plan more confidently and strategically. Vaisala Air Quality Transmitter AQT530 is the ideal monitoring and measurement sensor for these and other purposes – providing best-in-class accuracy, simple deployment, easy integrations, and reliability over a long service life.



## Key benefits

Laser Particulate Counter designed by Vaisala allows for counting and categorizing of particulate matter instead of estimation.

Intelligent humidity management to improve the lifetime of gas sensing elements.

Robust Vaisala HUMICAP™ technology provides reliable temperature and humidity measurements.

Air quality monitoring is offered either as an air quality sensor or as a part of Vaisala Beam Weather Station. AQT530 complements other Vaisala offerings for a complete solution.

Extensive global R&D field tests and factory calibration ensure verified performance results in various environmental conditions.

Scalable connectivity, data management, and user interface when integrated with Vaisala Beam Weather Station and the Vaisala cloud service UI.

## Why Vaisala?

As the global leader in weather and environmental measurements, Vaisala empowers businesses and community leaders to build resilience to climate change and extreme weather events. Our 85+ years of expertise is grounded in science, innovation and our unwavering commitment to constantly evolving.

We boldly demonstrate that a culture of resilience and a connection to nature can create new ways of smarter, resilient living. We are champions for smarter, safer and more sustainable urban communities.

Pairing AQT530 with Vaisala Beam Weather Station (optional) adds valuable weather intelligence, as well as connectivity and data management through an API. The Vaisala cloud service UI can also provide a helpful user interface and visualizations for an even more complete solution.

AQT530 is changing the way we monitor air quality and make decisions about our communities. Measure the most critical pollutants in urban environments – all in real-time – so that you can actively inform citizens, increase awareness, and decrease the effects of pollution.

## Applications

- Providing Environmental Protection Agencies with air quality, weather, and high-quality air resolution monitoring.
- Supporting smart lighting pole manufacturers and integrators with new technology.
- Facilitating air quality and weather monitoring equipment for smart city traffic management.
- Helping city infrastructure and outdoor media companies with visibility into air quality and weather insights.

## Measurements

- Nitrogen Dioxide (NO<sub>2</sub>)
- Nitrogen Monoxide (NO)
- Carbon Monoxide (CO)
- Ozone (O<sub>3</sub>)
- Fine particulate matters PM<sub>2.5</sub> and PM<sub>10</sub>

