SPECTO
TECHNOLOGY
A WORLD OF SOLUTIONS

Solving your
Monitoring Problems
to make your life easier

Air Quality • Noise • Vibration

ENVIRONMENTAL
MONITORING SOLUTIONS

▶ **We provide unique, powerful hardware and software for
wireless Air Quality, Noise and Vibration Monitoring.**

www.SpectoTechnology.com

SPECTO TECHNOLOGY

▶ **Specto Technology provides a wide array of solutions for your Dust and Gas Monitoring needs with automated systems that remotely monitor your job site from the comfort of your computer.**

AIR QUALITY MONITORING

aeroqual **Dust Sentry and Dust Sentry Pro**

A robust monitor with cutting edge software that measures particulates continuously, in real time. Dust Sentry delivers defensible and accurate measurements of PM_{10}, $PM_{2.5}$, PM_1 and TSP.

- ▶ Dust Sentry can monitor PM_{10}, $PM_{2.5}$, PM_1 or TSP in real time
- ▶ Dust Sentry Pro can monitor PM_{10}, $PM_{2.5}$, PM_1 TSP and particulate counts for 8 channels all at once, in real time
- ▶ Purpose designed for outdoor monitoring
- ▶ Compatible with weather and noise monitoring sensors

- ▶ Intuitive, user-friendly software
- ▶ Battery/solar power compatible
- ▶ Retrieve data remotely via direct internet connection or cloud-based interface

aeroqual **AQS 1 Air Quality Station**

Compact air quality monitor which measures specific pollutants including particulate matter, volatile organic compounds, nitrogen dioxide and ozone.

- ▶ Measure the key pollutants of concern in the urban environment
- ▶ Monitor particulate matter (PM) and gases at the same time
- ▶ Compatible gas modules include volatile organic compounds (VOCs), nitrogen dioxide (NO_2) and ozone (O_3)
- ▶ Proven 1 part-per-billion (ppb) detection of O_3 and NO_2

- ▶ 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
- ▶ Retrieve data remotely via direct internet connection or cloud-based interface

aeroqual **AQM 65 Ambient Air Monitoring Station**

A fully integrated, compact air monitoring station that delivers Near Reference levels of performance for 3-5 times less cost than traditional reference stations built on analyzers.

- ▶ Continuously measure up to 10 common air pollutants/ environmental parameters
- ▶ Relatively small size opens up new monitoring locations
- ▶ Install and start measuring in under an hour

- ▶ Measure, log, report and respond all in real time
- ▶ Optional integrated automated calibration functionality
- ▶ Retrieve data remotely via direct internet connection or cloud-based interface

PORTABLE AIR QUALITY MONITORING

aeroqual **Portable Air Quality Monitors**

Allow you to monitor particulates (dust – sizes PM_1, $PM_{2.5}$, PM_{10} & TSP) or gas compounds (VOCs, NO_2, Ozone, etc.) in real time with one compact unit. Simple to use and easy to maintain. Can be configured with 28 different gas and particle sensors for a range of applications.

- ▶ Enable accurate real-time surveying of common indoor and outdoor air pollutants, all in an ultra portable handheld monitor.
- ▶ Allows users to monitor particulates (dust – sizes PM_1, $PM_{2.5}$, PM_{10} & TSP) or gas compounds (VOCs, NO_2, Ozone, etc.) in real time with one compact unit.

- ▶ Perfect for short term air quality studies and carrying out checks on pollution "hot spots."
- ▶ Each sensor contains a single gas or particle sensor, and swapping sensor heads takes seconds – no configuration or re-calibration is required.

▶ *We are committed to being the best provider of data-to-desk solutions by leveraging our expertise, innovation, and exceptional client support to integrate state-of-the-art hardware and software solutions.*

BSWA 308 (Type 1) Sound Level Meter

This advanced Sound Level Meter comes with all the features needed for environmental noise monitoring:

▸ Output SPL, Leq, Lmax, Lmin, L10, L60, etc.
▸ Optional 10m microphone extension cable
▸ Range up to 134dB
▸ Frequency weighting A/B/C/Z

Vaisala WXT536 Weather Sensor

All-in-one weather instrument that measures up to six of the most important weather parameters.

▸ Measures wind speed, wind direction, air temperature, relative humidity, barometric pressure and rainfall.
▸ Compact design makes mounting and transport easy.

Met One MSO Weather Sensor

An integrated 5-parameter Weather Station that measures wind speed and wind direction using conventional cup and vane techniques.

▸ Measures wind speed, wind direction, air temperature, relative humidity and barometric pressure.
▸ Wind measured using a cup and vane technique.
▸ Sensors for other measurements are housed in a multi-plate, naturally aspirated radiation shield to reduce solar radiation heating errors.

Aeroqual Cloud Software

This simple but powerful web-based software is designed to maximize the health of your instrument and provides an intuitive interface for data management and analytics.

▸ Easy-to-use – no software to install. Simply open the browser from your PC, phone or tablet and log in.
▸ Features a fast, intuitive and modern interface.
▸ Various subscription levels are available that include access to an API interface.

▸ **Specto Technology is a knowledgeable expert on all Aeroqual Dust and Gas Monitoring devices and is proud to provide you with:**

▸ Dust and Gas Monitoring Equipment Sales and Support
▸ Customized training for you and/or your sub-contractors
▸ Best-in-class hosted data solutions to keep your data moving wirelessly from the field to your fingertips
▸ Exceptional customer service and support

Specto Technology offers a world of solutions for all your Environmental Monitoring needs.

Constantly Researching and Testing the most **Advanced Technologies** to offer you a **World of Solutions**

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aeroqual™

Established in 2001, Aeroqual has spent more than a decade perfecting sensor-based air quality measurements in a variety of applications and climates in more than 50 countries worldwide. Their sensor-based instruments and air quality monitoring systems are used widely in outdoor ambient applications as well as indoor air quality monitoring and ozone monitoring and control.

▸ **OUTDOOR AIR QUALITY:** Sensor-based outdoor air quality monitoring equipment, stations and systems allow you to measure ambient pollution for less cost and complexity than those based on traditional analyzer technology.

▸ **INDOOR AIR QUALITY:** Aeroqual's wall-mounted and handheld air quality monitors, meters and sensors are designed to measure the quality of indoor air to help you ensure the safety and comfort of workers in commercial and industrial environments.

▸ **OZONE MONITORING & CONTROL:** Aeroqual leverages their world class ozone sensors based on gas sensitive semiconductor technology to deliver robust monitors for the precise detection, measurement and control of ozone in air.

Our mission is to provide superior customer satisfaction from product procurement to comprehensive technical solutions.

SOUND AND NOISE MONITORING SOLUTIONS

SPECTO TECHNOLOGY Auto Sound Level Meter (AutoSLM)

This stand-alone system utilizes a powerful Campbell Scientific Data Logger and a versatile Sound Level Meter to take remote sound level readings.

- With the option for remote and automated readings, the AutoSLM eliminates the need to revisit job sites to download data.
- It is an ideal solution for monitoring noise related to construction activity.

- This system includes a cellular modem so that data can be retrieved wirelessly, remotely and automatically.
- The system has a proven track record and has been used on many past and on-going projects – particularly in dense urban environments.

Instantel Micromate

This powerful, compact and easy-to-use vibration monitoring unit may be used for both manual and automated data collection.

- Provides reliable regulatory compliance monitoring with an ISEE or DIN Triaxial Geophone and ISEE Linear Microphone or Sound Level Microphone.
- It is small enough to fit in your hand and is the first monitor in the industry to provide a touch screen interface.

- This unit supports USB 2.0 which allows use of memory sticks and approved external devices such as USB hubs, modems, printers and GPS (sold separately).
- Compatible with wireless modems to allow data to be sent automatically and viewed on web-based platform.

> *At Specto Technology our goal is to solve your monitoring problems to make your life easier.*

Corporate Profile

Founded in 2013 by Dr. Hai-Tien Yu *(President)* and Edmund Kirby *(General Manager),* Specto Technology is headquartered in Linden, New Jersey.

We leverage our combined 50 years of experience to provide unique and powerful hardware and software solutions for wireless Geotechnical, Structural, and Environmental monitoring needs to clients throughout the world.

We believe that by sourcing the world's most advanced technology, we can solve any monitoring problem to make your life easier.

Translated from the Latin language, the word "Specto" means "to see" or "to watch." Thus, our solutions enable you to collect and view your data and receive real-time alerts with reliability and ease.

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