

QUANTUM OUTDOOR

CLOUD-CONNECTED REMOTE OUTDOOR NOISE MONITOR

The **Quantum Outdoor** is a permanently installed, cloud-connected noise monitoring system designed for continuous outdoor environmental noise measurement. It provides real-time data, automated alerts, long-term reporting, and remote access from any location. The system is ideal for mines, industrial operations, communities, and construction environments where continuous monitoring and compliance are critical.

The **Quantum Outdoor** is an advanced environmental noise monitor built for 24/7 operation in harsh conditions. It continuously measures, records, and uploads noise data directly to the cloud, making it ideal for long-term monitoring projects and compliance reporting.

The value for the customer is that it delivers **continuous, automated, accurate noise intelligence** without requiring teams to be present on site. This helps operations ensure compliance, reduce environmental disputes, and make fast, informed decisions about noise impact.



FEATURES

- 24/7 continuous outdoor noise monitoring for long-term compliance and environmental tracking.
 - Cloud-connected platform for real-time access to noise levels, reports, and historical data from any location.
 - Automated alerts (SMS / email) when noise limits are exceeded.
 - Weather-resistant, rugged housing designed for harsh mining and industrial environments.
 - Built-in GPS and secure connectivity for easy deployment and remote system management.
 - Advanced data logging with audio capture, time history, and event markers.
 - Integrates with SmartMine and operational reporting systems for automated and centralised environmental monitoring.
 - Low maintenance with long-term stability and remote diagnostics.
- These features allow organisations to monitor and manage environmental noise risks, ensuring transparency, compliance, and better community relations.



WHY MINES CHOOSE THE QUANTUM OUTDOOR

1 Continuous. Connected. Compliant.

Environmental noise around communities and mine boundaries is a high-risk compliance area. Quantum Outdoor provides the accuracy and remote visibility needed to manage this risk proactively.

2 Provides real-time monitoring without needing a team on-site.

3 Ensures compliance with environmental noise regulations and license conditions.

4 Helps mines prevent complaints, disputes, and penalties from surrounding communities.

5 Integrates seamlessly with SmartMine for automated reporting and centralised dashboards.

6 Supports long-term environmental stewardship and sustainability reporting.

REAL-TIME ALERTS AND NOTIFICATIONS*

Using the power of Cirrus Research's Acoustic Fingerprint technology on all Optimus+ Green sound level meters, you can receive real-time alerts and notifications when pre-set noise levels are reached. Choose the method that suits you best:

- SMS**
- Email
- Twitter
- Push notifications through our dedicated app

* Only available on modem-enabled CK:685B version

** Network charges may apply

24/7 NOISE MEASUREMENTS

Use the internal batteries or external power to log effective and accurate noise data over longer periods, giving you the information needed to make informed decisions to protect people and the environment from the risks associated with noise, and meet environmental noise standards around the world.

"The reliability and accuracy it provides are essential to ensure our noise impact assessments are correct."

— Chris Rush,
Environment and Sustainability Coordinator, UK



GET MORE FROM YOUR SOUND LEVEL METER

When you add an environmental noise monitoring kit to your Optimus+ sound level meter, you expand the range of applications and environments where you can take measurements.

DOWNLOAD YOUR DATA ANYWHERE, ANYTIME

The modem-enabled variant of the Environmental Noise Measurement Kit (CK:685B) allows measurement data to be downloaded to our licence free analysis and reporting software, NoiseTools, wherever you are and whenever you need it.

APPLICATIONS

- Unattended outdoor noise measurements
- Noise monitoring in remote/hard-to-access areas
- Construction site noise monitoring
- Environmental impact assessments
- Wind farm noise monitoring
- Music festival/outdoor event monitoring

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