



The Sonitus Systems EM2030 is an automated, remote sound level monitoring system, ideal for construction jobs and environmental monitoring.

The EM2030 Sound Level Monitor provides complete automation of measurement, analysis and reporting. Simple installation allows quick set up on site. Advanced measurement options allow sound level readings for a range of applications.

Features

- Automated measurement and uploads.
- Online reporting through the Sonitus Cloud with email and text alerts. Check compliance with limits, from anywhere at anytime.
- Real time data is automatically pushed to the Sonitus Cloud platform. Export options using API or FTP are available for integration with other systems, such as GeoCloud Quickview.
- Audio capture function records sound clips and automatically identify noise sources.
- Frequency analysis tools for detailed sound source investigation.
- Low power mode for long term monitoring.
- Ready to deploy.

Optional Features

Audio Capture

The EM2030 can automatically capture audio clips when the sound level exceeds a trigger level. A short audio sample is automatically uploaded to the cloud for listening back or download. The Sonitus Cloud also includes artificial intelligence tools to automatically identify and label audio recordings.

Frequency Analysis

Detailed acoustic analysis can be performed with the 1/1 octave or 1/3 octave options.

Microphone Heater

A microphone heater, available for colder climates, keeps the microphone diaphragm free from moisture and ensures reliable measurement in all conditions.



Specifications

Sound Level Measurement

Accuracy: ANSI S1.4 Type 1, IEC 61672 Class 1

Dynamic Range: 17 to 121 dB(A)

Frequency Range: 20Hz to 20kHz

Frequency Weighting: A and C

Parameters: LEQ, L05, L10, L50, L90, L95, LMAX

Logging Specs

Measurement Period: 1, 5, 15, 30 min.

Data Storage: Sufficient for 5 years @ 5 minute logging periods.

Procedure: Automatic.

Microphone Specs

Sensitivity: 50mV/Pa

Connection: 10 ft cable with BNC connectors

Power supply: Constant current ICP, 18V, 4mA

Power Requirements

Mains: 110 - 240 Vac

Battery: 8-16 Vdc

Consumption 2.4W

Maintenance and Calibration

Calibration to IEC 61672 Part 3 is recommended every 2 years. Calibration services can be provided by a network of approved partners.