

Monitex Area Noise Monitor EM2030

The EM2030 is a rugged, fully automated, remote sound level monitor. Designed for simple operation and reliability in tough environments. Ideal for construction, industrial and environmental projects.

Just power up and start measuring. The EM2030 Sound Level Monitor provides complete automation of measurement, analysis and reporting. Simple installation allows quick set up on site and the advanced measurement options can capture sound level readings for a range of applications.

Key Benefits

- ✓ Automated operation with online analysis and extended measurement range
- ✓ Remote online reporting through the Sonitus Cloud. Check compliance with site limits, from anywhere at anytime
- ✓ All real time data is automatically pushed to the Sonitus Cloud platform, hosted on secure servers in Ireland. Flexible export options using API or FTP are available
- ✓ Audio capture function to record sound clips and automatically identify noise sources
- ✓ Mains, battery and solar power options with low power mode
- ✓ Ready to deploy on any site with minimum maintenance needed
- ✓ Rugged design with consistent performance in all (weather) conditions
- ✓ Frequency analysis tools for detailed sound source investigation





Monitex Area Noise Monitor EM2030

Optional Features

Audio Capture

For applications where sound source identification is required, the EM2030 can automatically capture audio clips when the sound level exceeds a trigger level. The audio capture trigger level (LAeq) is set through the user interface or in the Sonitus Cloud. A short audio sample is then captured any time the trigger level is exceeded.

Audio clips are 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, saving time and effort for noise source identification.

Frequency Analysis

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

Microphone Heater

For colder climates we recommend the use of a microphone heater during winter months. The heater fits over the 1/2" microphone and sits neatly inside the windshield.

The thermostatically controlled heater helps to keep the microphone diaphragm free from moisture and ensures reliable measurement in all conditions.

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.

Technical Specifications

Accuracy	IEC 61672 Class 1
Dynamic Range	17 to 121 dB(A)
Frequency Range	20Hz to 20kHz
Frequency Weighting	A and C weighting
Parameters	LEQ, L05, L10, L50, L90, L95, LMAX
Measurement Period	1, 5, 10, 15 or 30 minutes
Data Storage	5 years (5 minute logging)
Procedure	Automatic measurement and logging
Microphone Sensitivity	50mV/Pa
Microphone Connection	BNC to BNC (3m cable as standard)
Microphone Power Supply	Constant current ICP, 18V, 4mA
Main Power Supply	240V AC
Main Battery	8 - 16V DC
Power Consumption	2.4W
Wi-Fi	For user interface
4g Modem & Sim	Supplied inside each monitor
User Interface	Accessed using a standard web browser