

NTi Audio Noise Locator



Turn noise into intelligence with the NL1. Stop guessing and know exactly where the noise comes from. Somewhere today, a noise professional finds themselves having to ask a fundamental question, “Where is that noise really coming from?”, and too often, the honest answer is, “We’re not sure.” On construction sites, in industrial facilities, along transport corridors, or in urban areas, noise is rarely simple. Multiple sources can mask the true origin. This is a real issue, and it’s exactly why we created the NL1 Noise Locator. Measuring noise levels alone is no longer enough, you also need direction. Authorities, clients, and communities don’t just want numbers - they want answers: What is making the noise? From which direction? At what height? When?

With this clarity, you can act faster, report on the correct source of noise, and handle compliance with confidence - strengthening trust with regulators, neighbors, and clients. The NL1 takes out the guesswork and pinpoints the direction of the dominant noise source in real time. Using a unique 12-probe sound intensity architecture, the NL1 identifies both Direction (azimuth - like a compass) and Elevation (how high the sound comes from). Even in complex, reflective, or windy environments where conventional microphones fail, the NL1 delivers synchronized data that turns noise into intelligence. Make faster, easier, and better decisions - while saving time and cost.

A sound level meter measures sound pressure. It's essential... but insufficient as soon as the environment noise is produced by different sources that need to be quantified separately. Sound pressure tells you how much noise is present. It doesn't tell you where that noise is coming from. In a real-world setting (industrial, infrastructure, urban area), the omnidirectional microphone picks up everything. The level is accurate - the interpretation isn't always. Sound Intensity measures the flow of sound power and its direction. That's precisely why the NL1 relies on measuring sound intensity. It measures the direction and height of the dominant

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noise source in real time. It identifies a dominant source, helping professionals focusing on what truly matters.

Key Capabilities:

- Direction and intensity analysis from 63 Hz–4 kHz and broadband A-weighted
- Smart Quality Indicator (Q) to validate data in complex noise situations
- Time resolution: 100 ms or 1 s
- Seamless USB integration with the XL3 Acoustic Analyzer for synchronized logging

www.nti-audio.com