

Scan & Listen



Application Leaflet

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Scan & Listen

Human ears only hear sound pressure, with *Scan & Listen* particle velocity is now also made audible!

Human ears are like traditional microphones sensitive to scalar value (omnidirectional sound pressure), the Microflown however is sensitive for vector value (directional acoustic particle velocity). A combination of a Microflown with the *Scan & Listen* device are making our ears capable of hearing particle velocity! Listen to what nobody heard before. Listen to noise source in situations with background noise and reflections. Locating sound sources in practical environments can be difficult. Especially in situations with non-stationary sources like squeak & rattle. Just

listening to particle velocity can give you better results than extensive, detailed FFT analysis! *Scan & Listen* method performs quick scans instead of time consuming series of measurements. It is an intuitive method of sound source localization. Also acoustic leakages can be detected fast and accurately with the system. Quick, fast and mobile are keywords for *Scan & Listen*, as well as it is practical, simple and handheld.

The system also has the option to record simultaneously while listening. *Scan & Listen* set-up contains a background noise reducing headphone (passive -40dB), so the signal of particle velocity is even clearer in your ears.



With Scan & Listen, particle velocity becomes audible to human ears!

Application features

- ✓ Direct listening to particle velocity
- ✓ 40 dB lower susceptibility to background noise than sound pressure
- ✓ Broad banded 20Hz - 20kHz

Quick troubleshooting tool for:

- ✓ End of line control
- ✓ Noise source identification
- ✓ Vibration pattern determination
- ✓ Squeak & Rattle localization

