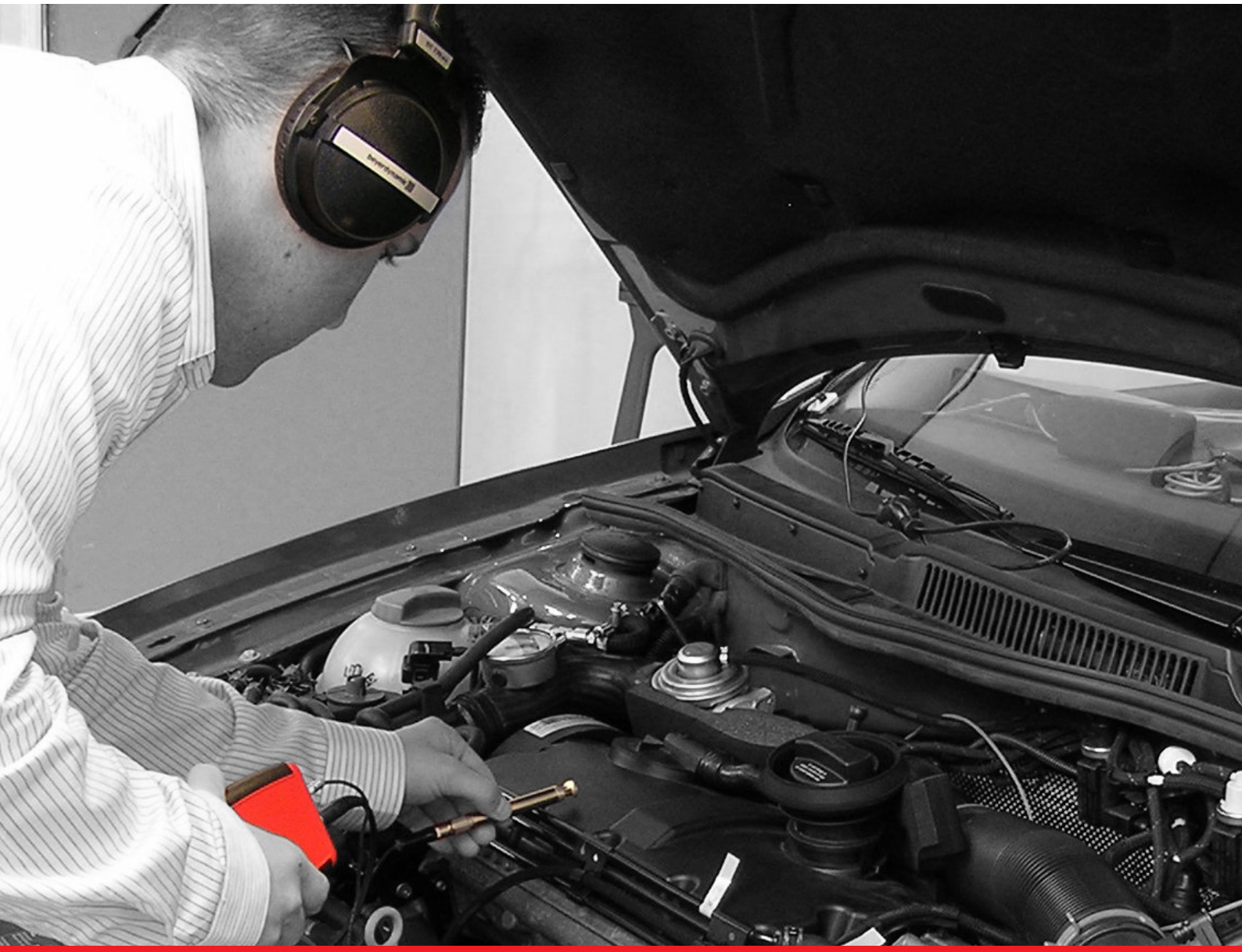
Microflown Technologies
Charting sound fields



Product Leaflet

SCAN & LISTEN

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MICROFLOWN // CHARTING SOUND FIELDS

SCAN & LISTEN

Making particle velocity audible to our ears

Human ears are only sensitive to changes in sound pressure. With Scan & Listen, particle velocity is now also made audible!

The combination of a Microflown with the Scan & Listen device is making our ears capable of hearing particle velocity! Listen to what no one has been able to hear before. Identify noise sources even in situations where high levels of background noise are present. Locating sound sources in practical environments can be difficult, especially in situations with non-stationary sources such as squeak & rattle. The Scan & Listen is a measurement technique based on short quick scans, instead of a time consuming series of ameasurements. Often just by listening to the particle velocity, you can obtain better results, than with an extensive and complex measurement campaign.
Scan & Listen offers an intuitive method for sound source localization. Moreover, acoustic leakages can be detected quickly and accurately. Scan & Listen is handheld, therefore it is fast and mobile, as well as being practical and easy to use.

The system has the option to simultaniously record both particle velocity and sound pressure while still providing real time playback.

FEATURES

The Scan&Listen system at a glance

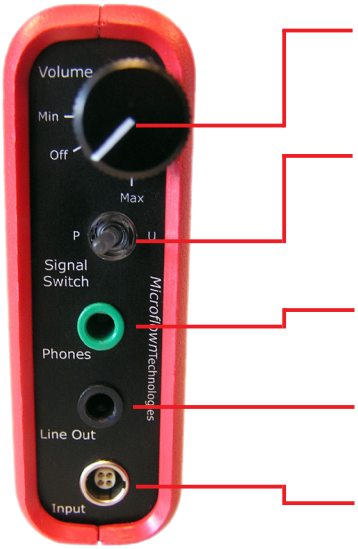
- **Direct playback of particle velocity and sound pressure**
- **Fast, easy & intuitive**
- **Particle velocity in the near field has lower susceptibility to background noise and reflections compared to sound pressure and our ears**
- **Applicable in (real) operating environments e.g. reverberant environments**

Excellent tool for:

- **End of line quality control**
- **Noise source identification**
- **Dynamic behaviour determination**
- **Squeak & Ratlle noise localization**

LISTEN LIKE A BEE
LISTEN TO PV

The Scan & Listen is a simple solution for investigating complex problems. Thanks to the unique properties of the particle velocity sensors, you can rely on your own ears to locate noise sources whilst disregarding the influence of other sound sources.



Volume adjuster
Set the playback volume for particle velocity or sound pressure

Channel selection
Choose the channel, particle velocity (U) or sound pressure (P), that you would like to listen to.

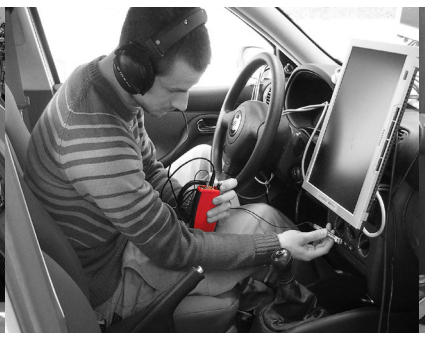
Headphone connection
Connect the included headphones

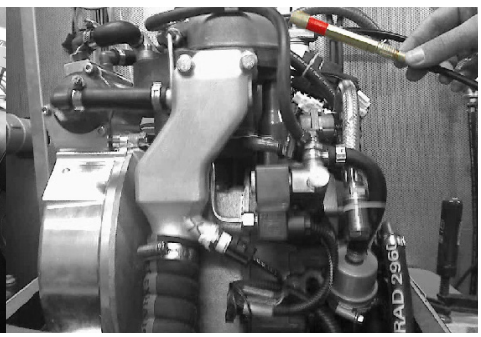
Line out
Output to record the P and U

Sensor input
Input connector to connect the PU probe by cable

"WITH SCAN & LISTEN, PARTICLE VELOCITY...

...BECOMES AUDIBLE TO HUMAN EARS"





REDUCE THE PRESSURE IN YOUR WORK GO FOR PARTICLE VELOCITY

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