SoundFlow Sensor

Sound Velocity and Sound Pressure Sensor

The only pressure and velocity sensor with IEPE supply (4 mA), sturdy design and low inherent noise.



The robust solution for near field measurements

The **SoundFlow** Sensor from **Soundtec** is the ideal solution for determining sound power or sound emission in the near field. It can also be applied when no special testing room is available. The usage of proven technology makes the **SoundFlow** Sensor sturdy, versatile and good value for money.

Advantageous features

Direct measurement of velocity and pressure enables the determination of sound intensity with only one measurement for a frequency range of 40 Hz to 15 kHz. Even with high frequencies the inherent noise of the velocity probe stays low.

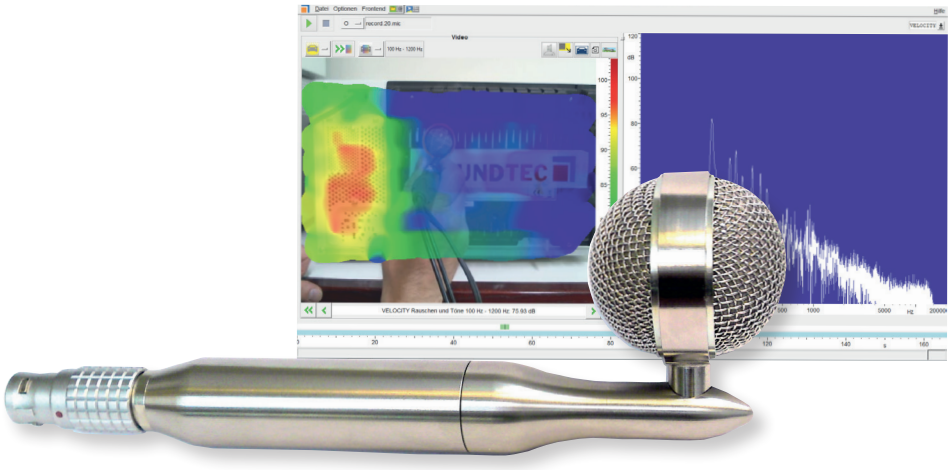
With its head diameter of 4 cm the sensor is considerably smaller than usual P-P intensity probes.

Applications

- Determination of sound intensity or sound emission in the near field
- Also applicable without a special testing room
- Seeking for acoustical isolation leaks
- Together with the software **siIntense** and **siSourceView** applicable for sound power measurements through mapping of sound emission from a surface
- Application in our sound intensity camera **siCamera**
- Application with **siSourceView**: scanning/mapping of sound and synchronous detection of the sensor position with optic camera

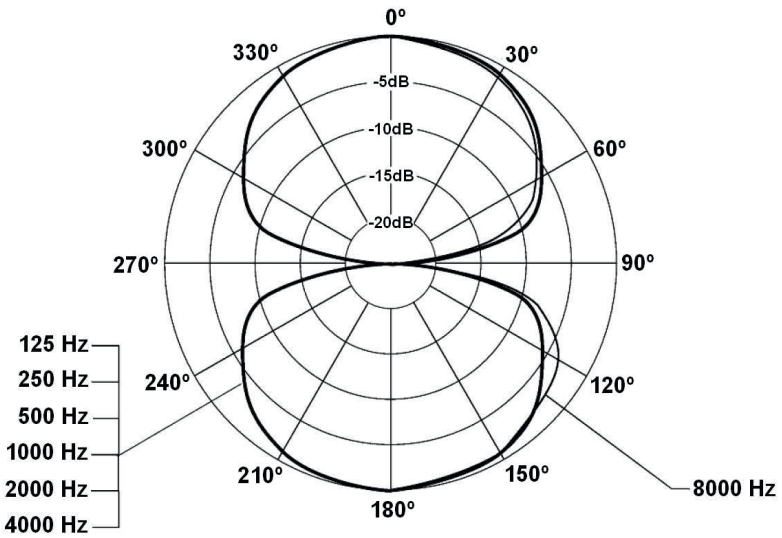
SOUNDTEC

SoundFlow Sensor



The **SoundFlow** sensor can be used together with **siIntense** for the sound intensity measurement and the sound power measurement by mapping the sound on the surface of an object. Using it with the software **siSourceView** allows for the detailed mapping of the sound radiation even without special measurement chambers.

The sensor is available with even or angled casing.



Directionality: Sound velocity

Characteristics

- IEPE Sensor
- Dynamic range:
  28 dB(A) – 125 dB SPL
- Frequency range:
  40 Hz - 15 kHz
  (-15 dB to 20 kHz)
- Low inherent noise:
  28 dB(A)
- Length:
  178 mm
- Diameter:
  40 mm
- LEMO connector
- phase match between sound velocity and pressure
- available with even or angled casing (picture shows angled casing)
- Sturdiness
- Very good cost-benefit ratio
- Including equalization and certificate of calibration
- With carrying case

Supplied by:

SOUNDTEC

Bunsenstraße 9c
D-37073 Göttingen

Tel: +49 (0) 551 54858- 50
Fax: +49 (0) 551 54858- 28

E-Mail: info@soundtec.eu
Web: www.soundtec.eu

Status: 10.2024 // Logos and product names are all the registered trademarks of their owners.