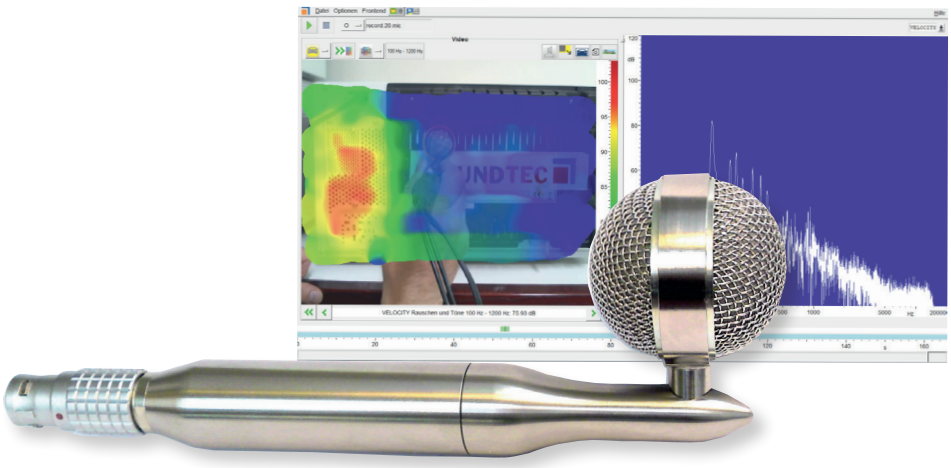
siSourceView

Tool for Sound Source Identifi cation with the SoundFlow Sensor (PU probe)



Measurement

The sound emission on the surface of an object can be determined by measuring the sound velocity with the **Soundflow Sensor**. Due to the directional characteristic of the sound velocity the sound sources can be separated precisely (> 40 dB) within the whole frequency range. Partial sound sources can be determined and analyzed separately. The frequency range of the analysis can be narrowed down as a “viewfinder” on the emission of certain sound generators.

Thanks to the optical camera which determines the position of the sensor the working with the tool is very easy.

The sound sources are analyzed in real time. That makes a finer scanning of interesting areas on the object immediately possible.

The **Soundflow Sensor** contains a high quality sound pressure measuring microphone for the measurement of sound velocity, pressure, intensity and blind intensity.

Software

SiSourceview is compatible to all other **si++** tools from **Soundtec**.

The measurement provides time data from both channels as well as the movie for all subsequent analyses even from other tools. For example you can rate the audibility of tonal components in **siVision** while you locate this component in **siSourceView**.

A layout editor for the fast and simple presentation of results is integrated.

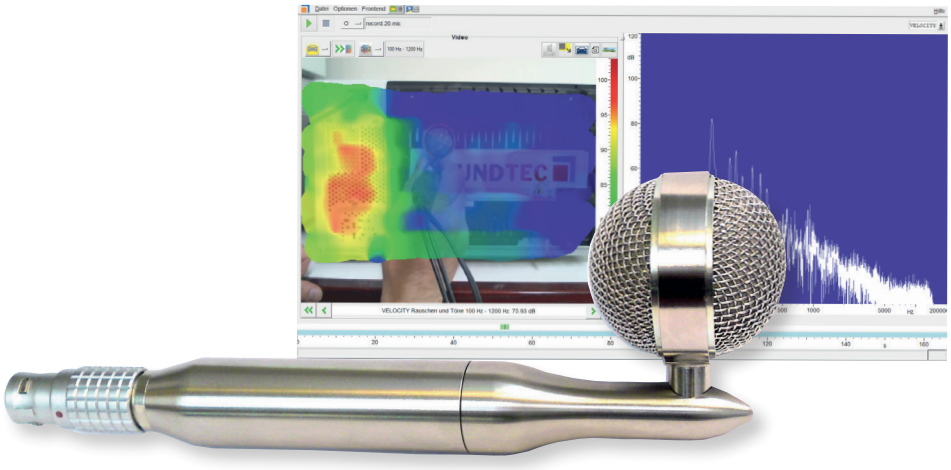
Special Features

- Measurement and display of sound emission on the surface of an object
- Very good separation of sound sources (> 40 dB) in the whole frequency range
- Easy handling due to an optical camera to know
- Frequency selection for level display
- Automatic sensor detection during measurement

Fields of Applications

- Sound source analysis for quasi statistical sound sources
- Comparison of components / manufacturing types
- Sound intensity evaluation and partial sound intensity evaluation

SOUNDTEC



Characteristics

- IEPE Sensor
- Dynamic range:
  30 dB(A) – 130 dB SPL
- Frequency range:
  40 Hz - 15 kHz
  (-15 dB to 20 kHz)
- Low inherent noise:
  30 dB(A)
- Length:
  178 mm
- Diameter:
  40 mm
- LEMO connector
- 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

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