

HEAD VISOR Probe (Code 7523)

Near-field probe for the acquisition of low-frequency sound components with the HEAD VISOR system

Overview

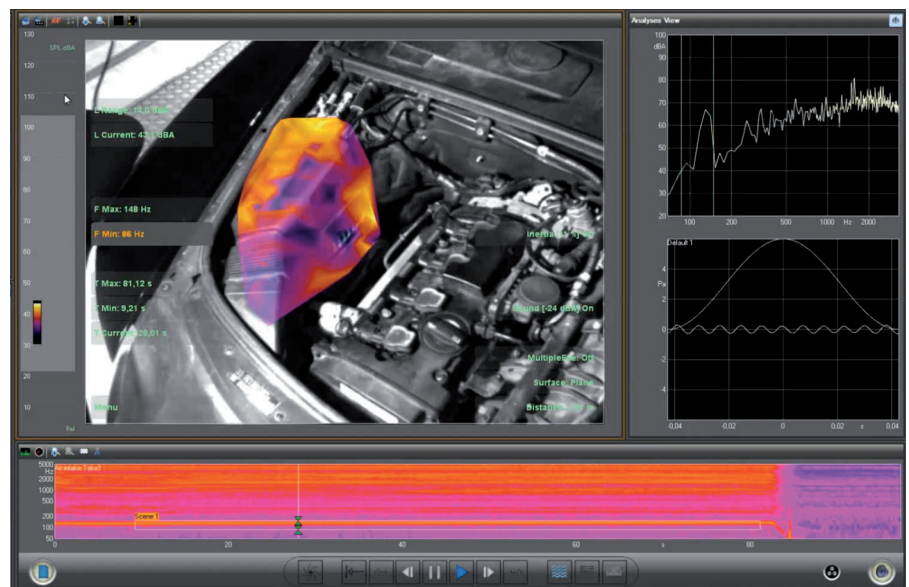
HEAD VISOR Probe is used in connection with the HEAD VISOR system for the examination of stationary near-field sounds, particularly at frequencies below 600 Hz.

Using HEAD VISOR Probe allows low-frequency sound components to be included in the examination. With HEAD VISOR Probe, the HEAD VISOR system can evaluate the entire emitted frequency range from 20 Hz to 20 kHz.

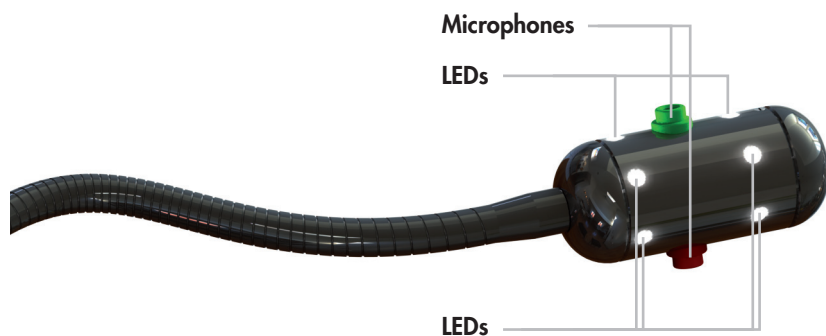
The tip of this lightweight and flexible probe carries two microphones, which detect the sound emitted by the surface along with its exact location and direction. At the same time, the current position of the probe is automatically tracked by the three cameras of HEAD VISOR. That way, individual parts of the test object can be measured and composed into an overall image.

Features

- Lightweight and flexible near-field probe for the HEAD VISOR system
- Acquisition of low-frequency sound emissions in the acoustic near field, particularly for frequencies below 600 Hz
- Probe head with
 - two microphones for direction-dependent acquisition of emitted spectra
 - 12 LEDs for simultaneous position detection with the three cameras of the VISOR array (Multiple Eye technology)
 - silent on/off touch sensor
- Adaptation to different lighting situations possible even after the recording
- Targeted measurements of individual portions of the test object using a built-in push button
- Synchronous acquisition of the acoustic far field (beamforming) and the near field in the same recording
- Recording of raw files for future detailed evaluation
- Battery-less power supply to HEAD VISOR Probe via USB (from PC or VMA II.1 front end)
- Signal connection via BNC to a HEADlab module, e.g. labV6
- Using the HEAD VISOR Probe requires the HEAD VISOR Tool Pack 01 (Code 7501)



The near-field HEAD VISOR Probe is excellently suited for the examination of low frequencies, such as the 150 Hz humming of this intake filter.



Technical Data HEAD HEAD VISOR Probe

Connections:	1 x USB 2 x BNC
Cable length:	6 m (236")
Dimensions (without cable):	741 mm (L) (29")
Weight (with cable) :	1 kg (2.2 lb)
Operating temperature:	-20 °C to 50 °C (-4 °F to 122 °F)
Storage temperature:	-20 °C to 70 °C (-4 °F to 158 °F)

Scope of supply

- HEAD VISOR Probe (Code 7523)
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- HSC VII.3 (Code 7533)
Carrying case for HEAD VISOR Probe
- 1/4" calibration adaptor

Requirements

- HEAD VISOR (Code 7500)
Software for online localization of sound sources in real time, base version
- HEAD VISOR TP 01 (Code 7501)
 - MultipleEye focus for distance measurement
 - Detailed evaluation of low-frequency sound components with HEAD VISOR Probe

Hardware (required)

- HEAD/lab module, e.g.
labV6 (Code 3721)
6-channel Line-/ICP module with BNC