Bionic XS-56 Array

Features

- Portable measuring instrument (sensors, data acquisition, analysis and visualisation in one unit)
- online results with up to 100 fps (acoustically)
- Far field analysis (beamforming)
- Fully integrated design (no frontend necessary)
- High dynamic range and resolution
- Very small package volume
- 40° resolution at 2000 Hz with beamforming

Bionic XS-56 Array

Array Size Diameter: 270 mm
Array Material: Composite Material
Weight (excl. Tripod): 2.6 kg
Microphones: 56
Sample Rate: 48 kHz
Mic. Frequency Range: 10 Hz to 24 kHz
Operating Range: < 33 dB to 120 dB
Analysis Dynamic Range: up to 40 dB
Measurement distance: 0.1 m to ∞
Resolution: 24-Bit
Interface: Ethernet
Operating Temperature: -40 °C to +60 °C
Operating Humidity: Non Condensing

Application

- NVH
- Squeak and rattle
- Noise leakage detection
- Engine noise
- Automotive (interieur and exterieur)
- Quality assurance
- Product development
- For transient and stationary noise sources

Beampattern

-3 dB width: ±6.6501°
max side lobe: -10.4825 dB

In cooperation with CAE Software und Systems GmbH

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