



SoundChecker™

Acoustic testing based on airborne
and structure-borne sound



- use in the test and for quick diagnosis
- synchronous recording with up to four acoustic sensors
- functions for visualization and analysis
- display of recorded measurement data
- modular expandability for customer-specific adaptation



Application

- fault detection on rotatory and mechanical components (car doors, seats, bearings, fans etc.)

Parameters

A/D converter	4x24 bit
sampling rate	51.2 kHz
frequency range	5 Hz to 22 kHz
dynamic range	up to 110 dB
sensor inputs	4
sensor supply IEPE	4 mA, individually switchable
sensors	microphones, structure-borne sound sensors, laser vibrometers etc.

Special features

- no separate power supply needed
- connection via USB

Operating principle

- recording the sound signal
- vibration analysis of solid objects
- frequency, octave and spectral analysis



Extension modules (add-ons)

- noise pattern recognition
- 1/3 octave analysis
- frequency detection
- customized evaluation modules

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Connectivity

- connection to host system via RS232 or TCP / IP
- integration into LabVIEW programs

Software

- modular design
- real-time display of measurements data, FFT and spectrum
- evaluation of individual frequency ranges
- analysis of already recorded data

