

Press Release			 ELEKTRONIK GMBH
MCD Elektronik GmbH Hoheneichstr. 52 – 75217 Birkenfeld Tel. +49-7231 78405-0 – Fax: +49-7231 78405-10 Managing Director: Dr. Thomas Däubler	Ausgabedatum: 14.05.2025	Seite 1 von 2	
	Dokumentenversion:	Bearbeitet von: AES	Kurztitel:
HANSER automotive	Rückfragen an: Anja Erler-Szegedi anja.erler-szegedi@mcd-elektronik.de		

Do you have sound? Professional acoustic measurement with the MCD AudioAnalyzer

With the MCD AudioAnalyzer, MCD Elektronik offers a reliable, flexible tool for recording, analyzing, and evaluating audio data. The human ear is powerful, ranging from 16 Hz to 20 kHz and providing important information. Historically, acoustic signals were used for quality testing, e.g., running or impact noises from machines. Today, professional audio measurement surpasses human hearing and replaces experience with objective, standardized measurement.

The MCD AudioAnalyzer combines modern hardware and software for the precise analysis of acoustic signals in research, development, quality assurance, and maintenance and repair. Typical applications include frequency and phase response analysis of loudspeakers, microphones, amplifiers, and sound systems, as well as measurements of THD, SINAD, and distortion factor for evaluating audio quality. Unwanted noises or deviations in mechanical signals can indicate wear or impending defects. Vibrations also provide clues to structural faults and support quality testing. Reference values and comparative measurements ensure quality standards.

The hardware is reliable and designed for a variety of applications, while the software is powerful. The MCD AudioAnalyzer features digital and analog inputs/outputs, real-time signal processing, live visualization, oscilloscope and FFT spectrum analysis, and signal generation via modulation, sweep, or pulse. DAkkS certification and careful calibration ensure reproducibility and stability.

Device variants – flexible for every application

The AudioAnalyzer can be easily integrated into existing test systems. Test configurations can be saved, data imported/exported, and remotely controlled via USB, Ethernet, VCN, TeamViewer, or Remote Desktop. VCN, TeamViewer, or Remote Desktop can be used for remote control.

- All-in-one: autonomous with integrated Windows PC, software, and Ethernet
- With external PC: for central control, data transfer via USB
- Compact: mobile use, USB connection to external PC

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About MCD Elektronik GmbH:

MCD was founded in 1983 and supplies complex testing and automation technology worldwide. The systems are used by both well-known corporations and medium-sized companies for the production and testing of electronic and mechatronic assemblies.

MCD Elektronik at the *productronica*, Hall A1, Booth 155

1.896 Zeichen inklusive Leerzeichen



Precise analysis of audio signals with the MCD AudioAnalyzer

Kontakt für die Presse:

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