HEAD acoustics

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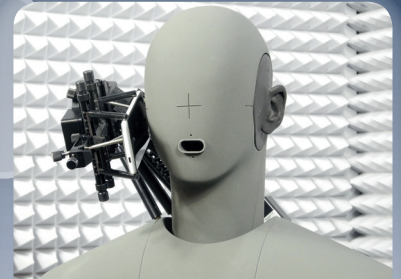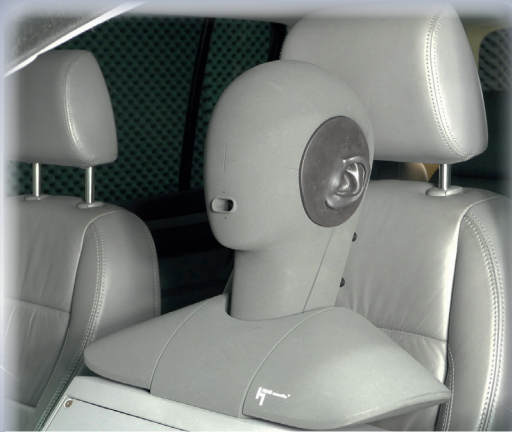
Analysis Software

Handset Positioner

Artificial Head
Measurement System

Accurate Background
Noise Simulation

Modular Multi-channel
Front End

www.head-acoustics.com

Enhance your voice and
audio quality measurements

HEAD acoustics – forward-looking solutions for precise high-quality testing

Communication Quality Analysis System

ACQUA, the flagship of the HEAD acoustics Telecom division, is an extraordinarily powerful and yet easy-to-use analysis software for evaluation of voice and audio quality in all areas of communication, allowing companies to improve the quality of their communication products.

Artificial Head Measurement System

HMS II.3 is the artificial head measurement system, comprising ear simulator and artificial mouth, fully capable of super-wideband testing (up to almost 20 kHz) in sending and receiving direction. HMS II.3 complies with all relevant international standards such as ITU-T P.57 and P.58 as well as IEC 60318-4.

Multi-channel Front End

*lab*CORE is the forward-looking modular multi-channel front end for high-quality voice and audio testing. High-performance, numerous interfaces as well as its modularity make *lab*CORE the all-in-one solution for precise and efficient measurements. The wide range of modules allows tailoring the front end exactly to individual measuring tasks.
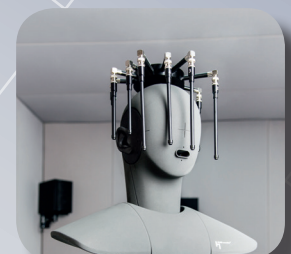

Measurement Standards

Almost all relevant norms published by standardization bodies such as 3GPP, ETSI, ITU-T and TIA are implemented into measurement standards for ACQUA. Thus, allowing automated measurements according to standard requirements or further analyses.
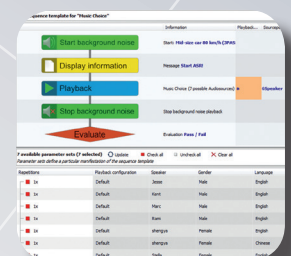
Handset Positioner

With the motorized handset positioner HHP IV *MotoMount* voice quality analysis of handsets in dependence of position and application force becomes much easier, faster and more economical. Due to its motorization and automatic control, HHP IV no longer requires manual user interaction during measurement sequences.

Background Noise Simulation

3PASS *lab* and 3PASS *flex* are highly accurate playback and recording systems capable of preserving and reproducing real-life background noise scenarios in different test environments.

Voice Control Analysis System

VoCAS is the efficient software for evaluating voice recognition systems of e.g. smart phones, in-vehicle hands-free systems as well IoT devices. The software allows quick and objective quality evaluation of voice control systems under realistic and reproducible test conditions.