Cutting-Edge Software
Powerful solution for advanced voice and audio quality analysis

www.head-acoustics.com
ACQUA (Advanced Communication Quality Analysis) is the efficient software of our voice and audio quality test and measurement system concept. It includes a multi-channel signal generator and a multi-channel analyzer optimized for testing almost all equipment in the field of telecommunication. ACQUA is characterized by a powerful data acquisition and analysis system for acoustic and/or electric transmission paths up to 192 kHz. In combination with measurement front ends, especially the modular multi-channel front end platform labCORE, a wide range of single components, complete terminals and transmission networks can be analyzed via fully synchronized analog and digital inputs and outputs.

The user-friendly software solution allows the generation, modification and execution of measurement sequences. By means of predefined but modifiable measurement descriptors, which are comfortably embedded in a database structure, users are able to gather and evaluate measurement data in a simple and quick manner. In addition to the analysis, the innovative system documents and archives measurement data in the time and frequency domain.

ACQUA - Highlights at a glance

Expandable system solution for testing acoustics and network access for different scenarios such as VoLTE, UMTS, DECT, Bluetooth®, hands-free (mobile, office, car), headsets, emergency call and in-car communication

Individually tailoring of the software performance to specific fields of application via a wide variety of ACQUA options (ACOPTs)

Database controlled configuration and control of test procedures and front ends

Predefined test cases for fast, automated and guided measurements according to various - partly mandatory - international standards

Measurements with any test signals

Possibility to build custom standards and measuring sequences

Analysis in the time and frequency domain

Outstanding possibilities for signal preparation and manipulation to optimize quality

Auditory evaluation of measurement objects, especially important for non-linear time-variant systems

Intuitive control and user-friendly interface

Clearly arranged hardware configuration provides a complete overview of the measurement chain from ACQUA over labCORE to artificial head measurement system, third party equipment, and the device under test

Comfortable and useful report and documentation functions such as A/B comparison of multiple measurement objects, benchmarking, Quality Pie report

Learn more on ACQUA and Scan the QR code!

www.head-acoustics.com/eng/telecom_ACQUA.htm