

## **HRT I: HEAD acoustics introduces high-precision turntable**

HEAD acoustics launches HRT I (HEAD acoustics Remote-operated Turntable), a high-precision turntable. With HRT I, users can perform automated, orientation-dependent acoustic measurements. With the help of the turntable, for example, telephones, televisions with pedestal, (video) conference systems, loudspeakers or measurement equipment such as the HMS artificial head measurement system with torso box can be rotated to specific angles. The rotation unit of the turntable offers a 360-degree rotation range, which can be approached in 0.1-degree steps. The adjusted angles can be reproduced to an accuracy of 0.02 degrees.

### **Fully automated control of HRT I via ACQUA**

HRT I can be operated manually via buttons on the front panel of the turntable. This allows users to set an absolute reference position (0° position) and rotate the turntable clockwise or counter-clockwise. In addition to manual control, users can control the HRT I fully automatically via the communication analysis system ACQUA to conduct fully automated measurements. Based on the RS485 interface, data transmission over long distances is also possible. The turntable has a sturdy design: test objects up to 50 kg can be aligned precisely. HRT I is designed in such a way that it does not generate any noise in the measurement position. Only during rotation there is low noise emission.

### **About HEAD acoustics – Telecom Division**

HEAD acoustics was founded in 1986 and has been involved in noise and vibration, electroacoustic and voice quality testing since its inception. HEAD acoustics is based in Herzogenrath, Germany, with affiliates in China, France, Great Britain, Japan, South Korea and USA as well as a world-wide network of representatives. The Telecom Division of HEAD acoustics manufactures telecom test equipment and provides consulting services in the field of speech and audio quality. Moreover, HEAD acoustics closely co-operates with DECT Forum, ETSI, ITU-T, 3GPP, TIA, CTIA, GSMA and other standardization bodies with regard to the development of quality standards for voice transmission and speech communication. In many partnership projects, HEAD acoustics has proven its competence and capabilities in conducting tests and optimizing communication products with respect to speech and audio quality under end-to-end as well as mouth-to-ear scenarios.

**Images**



HRT I is a high-precision turntable for automated, orientation-dependent acoustic measurements.



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