

ANT - Computer Controlled Automatic Loudspeaker Measurement System for Directivity Measurements



Technical Data

Interface

Turntable	RS485
Computer	USB 2.0
Power Supply	85 - 264 VAC 47 - 63 Hz

Output Shaft

max. driving torque	250 Nm
max. plate speed	2 rpm
repeatability	0.1°

Mechanical Loads

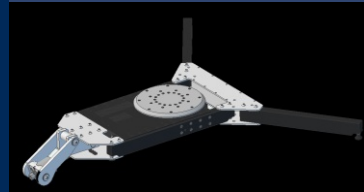
max. vertical load	1000 kg
max. radial load	1000 kg
max. bending torque	2000 Nm
max. tilt angle	4° [with opt. accessory]
min. height	87 mm

Dimensions

W x L x H	300 x 520 x 87 mm
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Options

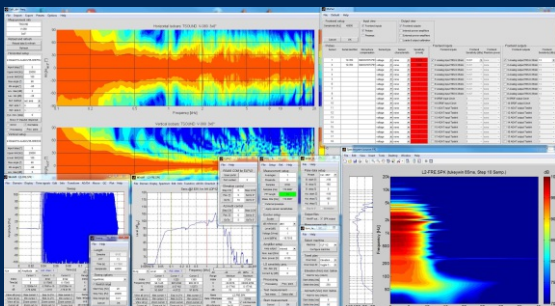
With an optionally available accessory, the ANT can be tilted up to 4°



Features

The ANT is a high-torque, ultra-flat turntable for automated loudspeaker measurements in combination with e.g. the measurement software WinMF. The turntable can stand weights up to 1000 kg with a repeatability of the rotation below 0.1 degrees. To target a floor mounted microphone, the ANT can be tilted up to 4° using an optionally available accessory.

Measurement Software WinMF



- all purpose measurement system for audio and acoustics
- measurement frontend with signal conditioner available from Four Audio
- remote measurements via Dante breakout box DBS1
- measurements on electronics, loudspeakers, room acoustics
- balloon measurements with ELF robot [* .spk raw data]
- customizable excitation signals (impulses, noise, and sweeps) with arbitrary spectral distribution
- configurable QC functions
- room acoustic analysis
- FIR and IIR calculations
- macro recording and processing