

Computer Controlled Automatic Loudspeaker Measurement System with 2-Axes for EASE Balloon Measurements

Technical Data

- 100kg maximum loudspeaker weight
- 1.5m maximum loudspeaker dimension
- any microphone distance in full anechoic rooms
- high precision drive unit, less than 0.27° backlash
- torque limitation at 200Nm per axis
- 1° resolution

Features

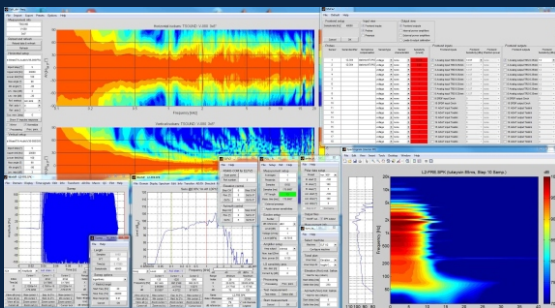
- emergency stop switch
- heavy duty but of delicate structure
 - influence on sound field is minimized
- laser pointer integrated in the vertical axis to precisely determine the microphone position
- fully integrated in WinMF measuring software
- standard data formats can be generated from measured raw data, e.g.
 - EASE
 - Ulysses
 - CLF
 - EASE Speaker Lab GLL
(data conversion might require third party software)

Options

- desktop PC with measuring hardware and installed software



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