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
- HIR and IIR calculations
- macro recording and processing

Four Audio GmbH & Co. KG
Konrad-Zuse-Str. 4
52134 Herzogenrath
Germany
email: info@four-audio.com
web: www.four-audio.com

Sound Technology