

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 0.16° backlash
- torque limitation at 250Nm per axis
- 1° resolution

Features

- emergency stop switch
- heavy duty but of delicate structure
 - influence on sound field is minimized
- inductive reference position switches at both axes
- laser pointer integrated in the vertical axis to precisely determine the microphone position
- fully integrated in Monkey Forest measuring software
- standard data formats, e.g.
 - EASE
 - Ulysses
 - EASE Speaker Lab GLL
- custom data formats

Options

- desktop PC with measuring hardware and installed software



Measurement Software Monkey Forest



- all purpose DOS measurement system for audio and acoustics
- RME Multiface with 24 Bit / 96 kHz 8 ch. Analog I/O, 8 ch. ADAT and AES/EBU
- 2 ch. signal conditioner frontend with phantom power, adjustable gain in 20 dB steps, 2x20W power amp and shunt resistors for impedance measurements
- remote controllable from PC
- Customizable excitation signals (impulses, MLS, noise, and sweeps) with arbitrary spectral distribution
- extremely fast processing and rendering
- room acoustic analysis
- FIR and IIR calculations
- measurement of polar diagrams