Anechoic Room

Measured Quantities

Sound pressure, sound power (enveloping surface method), sound intensity, directional characteristics, localization of sound sources, balloon data

Measured Objects

Machines, motors, loudspeaker and microphones, e.g. in consumer electronic devices, as well as other sound and noise sources

Norms

DIN EN ISO 3745, DIN EN 60268-5

Specifications

Anechoic room class 1 according to ISO 3745 Annex A
Frequency range: 63 Hz to 20,000 Hz
Clear dimensions (L x W x H): 9.4 m x 4.93 m x 6.9 m
Volume (total): 646 m³
Door dimensions (clear): (W x H): 2.3 m x 2.46 m
Room-in-Room design, elastic suspension

Equipment

Floor net, load-bearing capacity: 150 kg/m² or max. 1500 kg
Power supply: 230 V, 400 V
Mountable grating as working plane, load-bearing capacity: 250 kg/m²
Low noise air conditioning
Duct for measurement and supply lines
Mounting points on walls and ceiling (tensile force per point ca. 1 kN)
Turntable device (2 axes), load-bearing capacity 100 kg
Video monitoring by CCTV
Monitoring of temperature and humidity