



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

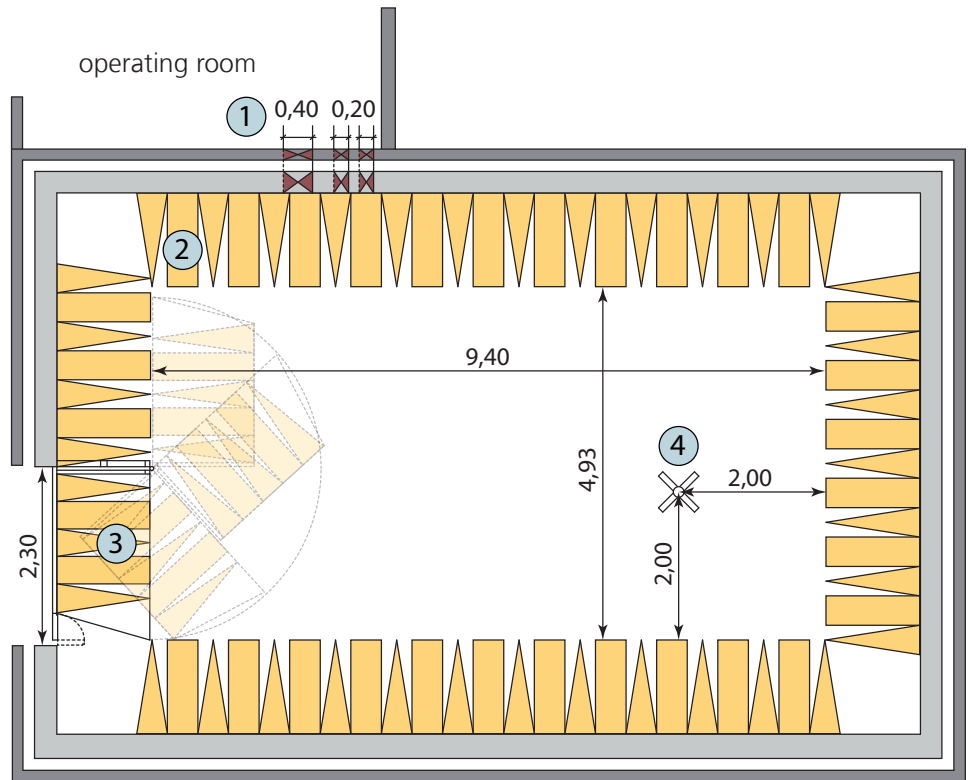
Duct for measurement and supply lines

Mounting points on walls and ceiling (tensile force per point ca. 1 kN)

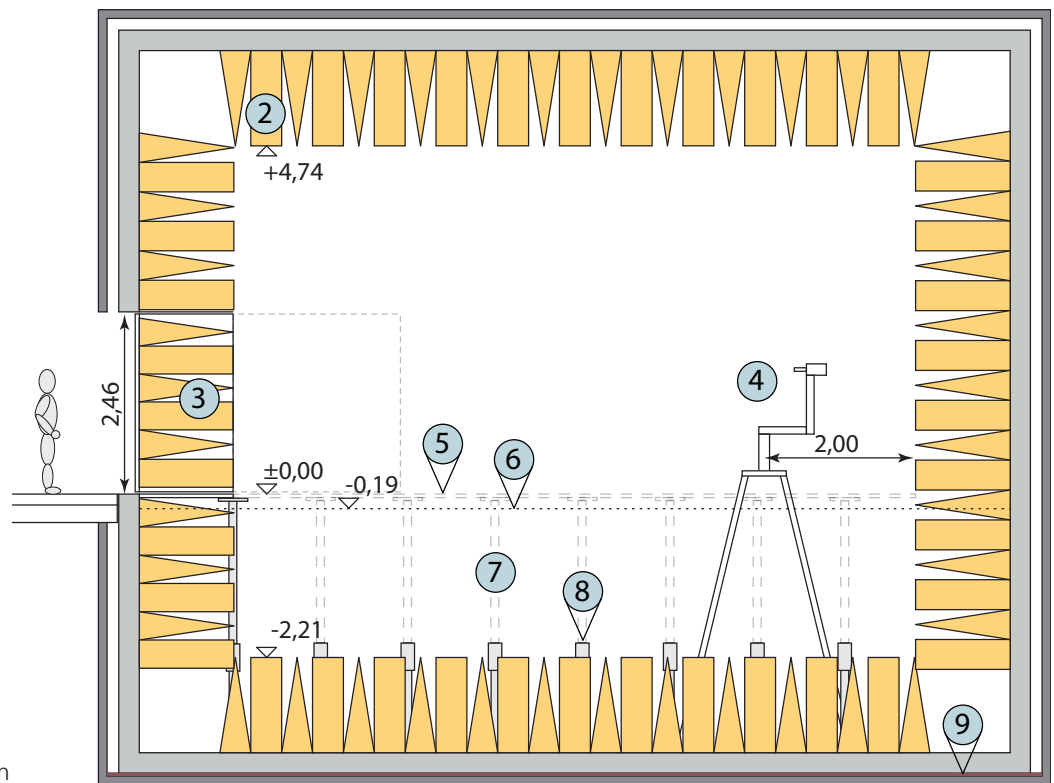
Turntable device (2 axes), load-bearing capacity 100 kg

Video monitoring by CCTV

Monitoring of temperature and humidity



Anechoic Room, horizontal projection



Anechoic Room, vertical projection

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|------------------------------|-------------------------------|
| 1 Duct | 6 Floor net |
| 2 Absorber wedges | 7 Mountable pipes with flange |
| 3 Door | 8 Connection for pipes |
| 4 Removable turntable device | 9 Elastomer layer |
| 5 Mesh floor grating | |