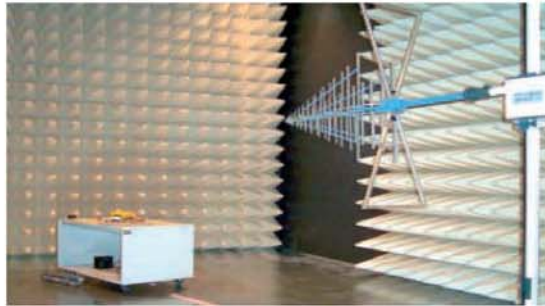


**Anechoic Chambers for Emission Measurements According to Standard EN 55022B and Immunity Tests According to Standard EN/IEC 61000-4-3 3.0m Measuring Distance**

**Short Description**

The SAC-3 is an anechoic chamber conforming to standards, for a measuring distance of 3.0m (1-4m height scan), constructed in conventional technology, with ferrite and partially hybrid absorber lining for the frequency range from 26MHz to at least 18GHz. Due to the small space required by the absorbers, the chamber itself can be smaller than a chamber with a pure pyramid absorber lining. The max. admissible deviation from the normalized measuring site attenuation of  $\pm 3,5\text{dB}$  is fulfilled over the whole frequency range from 30MHz to 18GHz, and is even much better in a wide frequency range. The SAC-3 is delivered ready for operation, including antenna mast, turntable and their controller.



**Technical Data**

External dimensions:	9.680mm x 6.380mm x 6.000mm (LxWxH)
Frequency range:	26MHz bis 18GHz
Measuring distance:	3.0m
Installation of absorbers:	
Long walls	Ferrite absorbers F006 + 17.1m 2 hybrid absorbers H600 in the center
Narrow side behind EUT	Ferrite absorbers F006 + 33.6m 2 hybrid absorbers H600
Narrow side behind antenna	Ferrite absorbers F006 (>1GHz measurement with horn antennas)
Ceiling	Ferrite absorbers F006 + 17.1m 2 hybrid absorbers H600 in the center
Floor	9m <sup>2</sup> transportable hybrid absorbers H600
Emission measurements	Full compliance according to the EN 55022B
Max. deviation from normalized site attenuation NSA according to EN 50147-2:	$\pm 3,5\text{dB}$ for a testing volume of 2m diameter
Immunity tests:	Full compliance according to EN/IEC 61000-4-3
Size of the uniform area:	1.5m x 1.5m
Max. deviation:	-0dB/+6dB at 75% of 16 measuring points

**Standard Equipment**

- 1 access door, 1,238 x 1,968mm
- 6 honeycomb inserts for ventilation
- 1 mains filter, 250VAC, 2x15A
- 1 mains filter, 440VAC, 4x30A
- 2 installation panels
- Feed-throughs: 8x „N“, 8x“BNC“ and 2x for fiber optics
- Electric installation
- Illumination
- Raised floor
- Ground plane
- Turntable, 2m diameter
- Automatic antenna mast 1-4m
- Controller for mast and turntable
- Absorber lining

**Options**

- Additional mains filters
- Signal and/or data line filter
- Connection to air conditioning system
- Video and/or audio system
- Non-combustible absorbers
- Verification of the chamber
- Measuring equipment
- Other extras

