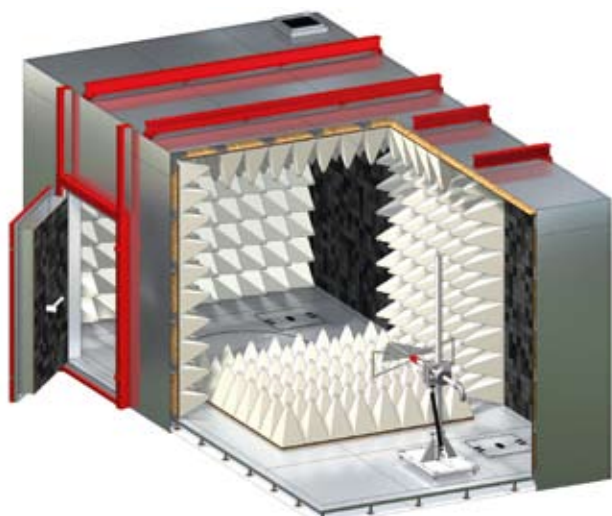


COMPACT HYBRID CHAMBER – CHC

Compact anechoic chamber for 3.0 m measuring distance



Short Description

The CHC is the optimal solution for immunity tests according to the standard IEC/EN 61000-4-3 for a measuring distance of 3.0 m and offers in this size the best characteristics for pre-acceptance emission measurements. The installation of ferrite and partially of hybrid absorbers allows measurements in the frequency range from 30 MHz to at least 18 GHz. The CHC can be delivered optionally as a semi-anechoic chamber (with ground plane) or as a fully anechoic chamber (floor absorbers on the whole floor surface). For immunity tests, floor absorbers are required in each case between transmitting antenna and EUT and are therefore included in the standard delivery volume.

Technical specifications	
External dimensions (L x W x H)	7,355 mm x 3,755 mm x 3,300 mm
Frequency range	30 MHz to 18 GHz
Measuring distance	3.0 m
Absorber lining	
Long walls	Ferrite absorbers F006 +7.2 m ² hybrid absorbers H450 in the center
Short wall behind EUT	Ferrite absorbers F006 +9.9 m ² hybrid absorbers H450 in the center
Short wall behind antenna	Ferrite absorbers F006 (>1 GHz measurement with horn antennas)
Ceiling	Ferrite absorbers F006 +5.76 m ² hybrid absorbers H450 in the center
Floor (SAC)	7.2 m ² transportable hybrid absorbers H450
Floor (FAC)	Ferrite absorbers F006 +7.2 m ² hybrid absorbers H450 in the center
Emission measurements	Pre-Compliance measurements
Immunity tests	Full Compliance according to IEC/EN 61000-4-3 for a measuring distance of 3.0 m
Size of the uniform area	1.5 m x 1.5 m
Max. deviation	-0 dB / +6 dB at 75 % of 16 measuring points

Standard Equipment

- 1 access door, 1.013 x 2.043 mm
- 2 honeycomb inserts for ventilation
- 1 mains filter, 250 VAC, 2 x 32 A
- 2 penetration panels
- Feed-throughs: 6 x "N", 6 x "BNC" and 2 x for fibre optics
- Electric installation
- Illumination
- Raised floor
- Absorber lining

Options

- 3 phase mains filter
- Signal and / or data line filter
- Fan
- Antenna tripod
- Video and / or audio system
- Turntable
- Non-combustible hybrid absorbers
- Measurement of the chamber
- Measuring equipment
- Other extras