

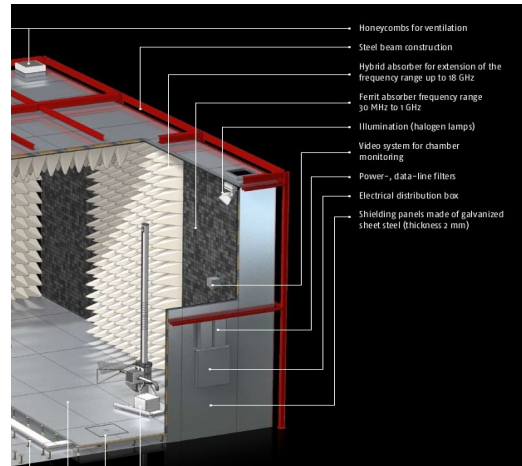
COMPACT HYBRID CHAMBER CHC

Mod.8-2020

Compact Anechoic Chamber for 3.0m Measuring Distance We offer individual solutions, tailored to your needs!

Short Description

The CHC is the optimal solution for immunity tests according to standard EN/IEC 61000-4-3 for a measuring distance of 3.0m 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 30MHz to at least 18GHz. 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.



- The CHC is an upgradable solution and can transform from a semi anechoic chamber configuration with ground plane to a fully anechoic chamber configuration with floor absorbers. It is an optimal solution for both pre-compliance emission tests and full compliance immunity tests at 3,0 m measuring distance.
- Modular and pre-fabricated industrial design standards
- Flexible systems completely dismountable using just screwing methods.
- Stable quality and technology through in-house manufacturing and engineering

Technical Data

External dimensions:	7.355mm x 3.755mm x 3.300mm (LxWxH)
Frequency range:	9 kHz/ 30 MHz to 18 GHz (option 40 GHz)
Measuring distance:	3.0m
Installation of absorbers:	
Long walls:	Ferrite absorbers F006 + 7.2m ² hybrid absorbers H450 in the center
Narrow side behind EUT	Ferrite absorbers F006 + 9.9m ² hybrid absorbers H450 in the center
Narrow side behind antenna	Ferrite absorbers F006 (>1GHz measurement with horn antennas)
Ceiling	Ferrite absorbers F006 + 5.76m ² hybrid absorbers H450 in the center
Floor (Semi Anechoic Chamber)	SAC floor made of 7.2m ² transportable hybrid absorbers H450
Floor (Full Anechoic Chamber)	FAC Ferrite absorbers F006 + 7.2m ² hybrid absorbers H450 in the center
Emission measurements:	Pre-compliant emission measurements (EMI) according to CISPR 16-1-4
Immunity tests:	Full Compliance according to EN/IEC 61000-4-3 for a measuring distance of 3.0m
Size of the uniform area:	1.2m x 1.2m
Max. deviation FU:	-0dB/+6dB at 75% of 16 measuring points

Standard Equipment

1 access door, 938 x 1,968mm
 2 honeycomb inserts for ventilation
 1 mains filter, 250VAC, 2x36A
 1 installation panel
 Feedthroughs: 4x „N“, 4x“BNC“ and 1x3 couples fiber optics
 Electric installation
 Illumination: n.4 30W LED Lamp
 Raised floor: for cable distribution
 Absorber lining: Foam Hybrid Absorbers or Multi layer Metal Oxids

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

Standard References: CISPR 16-1-3, EN 61000-4-3, CISPR 22