

AUTOMOTIVE VEHICLE TESTING CHAMBER – AVTC

Anechoic chamber for vehicle testing



Short Description

The AVTC is a standard chamber for radiated emission and immunity testing on vehicles and components acc. to CISPR 12 / 25 and ISO 11451-2 / ISO 11452-2.

The standard dimensions of the chamber allow vehicle testing up to a length of 5.5 m (on turntable) and a measuring distance of 3.0 m. With additional (optional available) floor absorbers it is simply possible to upgrade the chamber for emission measurements acc. to EN 55022 (CISPR 16-1-4) and immunity tests acc. to IEC/EN 61000-4-3.

Technical specifications

External dimensions (L x W x H)	11,480 mm x 9,380 mm x 6,000 mm
Frequency range	20 MHz – 18 GHz (optional 40 GHz)
Measuring distance	3.0 m
Absorber lining	
Walls and ceiling	Hybrid absorber, type H600
Floor	Optional
Emission measurement	Full compliant acc. to CISPR 12 / CISPR 25 and EN 55022 (30 MHz-1 GHz) Optional (with floor absorbers) acc. to CISPR 16-1-4 from 1-18 GHz
Immunity tests	Full compliant acc. to ISO 11451-2 and ISO 11452-2 Optional (with additional floor absorbers) full compliant acc. to IEC/EN 61000-4-3

Standard Equipment

- 1 access door, 1.013 x 2.043 mm
- 1 sliding door, 3.038 x 3.093 mm
- 1 mains filter 440 VAC, 4 x 32 A
- 2 penetration panels
- Electric installation
- Feed-throughs: 8 x "N", 8 x "BNC" and 4 x fibre optics
- Illumination
- Raised floor
- Ground plane
- Turntable, 5.0 m diameter, 8.0 to
- Antenna Mast, 1-4 m
- Controller for mast and turntable
- Absorber lining
- 10 honey comb inserts for ventilation

Options

- Additional mains filters
- Signal and / or data line filters
- Non-combustible absorbers
- Measuring equipment
- Floor absorbers
- Video and / or audio system