



## ANECHOIC CHAMBER 1

### Description:

Semi anechoic chamber (usable inner space: 20.4 m x 10.8 m x 6.1 m) for carrying out radiated interference emission and immunity measurements. Used for vehicles, large industrial equipment and tests on electronic subassemblies with high immunity requirements.

### Technical data:

Semi anechoic chamber up to 10 m measuring distance

8 m turntable with max. 50 t static load capacity

Low emission 4-quadrant dynamometer:  
- Power  $P_{\max} = 4 \times 25 \text{ kW}$

Useable frequency range from 9 kHz to 18 GHz

High-frequency amplifier performance:

- 0,009...100 MHz	up to 10 kW
- 100...225MHz	up to 8 kW
- 80...1000MHz	up to 1 kW
- 1000...2000 MHz	up to 400 W
- 2000...8000 MHz	up to 200 W

AC-Supply up to 125 A, 400 V AC, filtered, CEKON connection

up to 250 A, 400 V AC, filtered, Cable lug connection

DC-Supply 50-1000 V DC,  $I_{\max} = 300 \text{ A}$ ,  $P_{\max} = 180 \text{ kW}$ , Source & sink mode possible

Media compressed air, cooling water, waste gas exhaust



### Emission measurements according to standards / norms, such as:

EN 55011 (CISPR 11)	Radio interference of industrial, scientific and medical equipment
EN 55012 (CISPR 12)	Vehicles - Radio disturbance characteristics - Protection of off-board receivers
EN 55016 (CISPR 16)	Measurement of high-frequency interference emission (radio interference) and immunity
EN 55025 (CISPR 25)	Vehicles - Radio disturbance characteristics - Protection of on-board receivers

### Immunity tests according to standards / norms, such as:

EN 61000-4-3	Immunity to high-frequency electromagnetic fields
ISO 11452-2	Test methods for components – Anechoic chamber
ISO 11452-5	Test methods for components - strip line
ISO 11451-2	Vehicles - Immunity to external electromagnetic fields
ISO 11451-3	Vehicles - Simulation of transmitters in vehicles

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