



# Model XS and 2XS REVERBERATION CHAMBERS



RVC model 2XS

Reverberation chambers (RCs) are modern EMC test environments in addition to the established methods like semi- or full anechoic rooms, open area test sites or (G)TEM cells. They can be used for emission and immunity testing. A reverberation chamber basically consists of a shielded room and a stirrer which changes ("stirs") the electromagnetic field inside the chamber. The chamber itself behaves like a multi mode resonator.

### Advantages over established methods

- Efficient power conversion requires small amplifiers (cost saving)
- No need for absorber (cost and space saving, better fire prevention)
- Large test volume
- Random field coming from all directions in any orientation and polarization -no need for turntable or mast (height variation)

- Frequency range up to 18 GHz
- Applications in the Automotive, military and commercial market
- Supplied with two feed-throughs type N, Stirrer Control Program and stirrer with motor control and filtering

### Implementation of the reverberation chamber testing method in general

- IEC 61000-4-21
- Screening effectiveness, power spectral density measurements of WLAN, Bluetooth, Mobile phone
- Airborne equipment, RTCA DO 160 F (>100 MHz)
- MIL461e, alternative test procedures (200 MHz-40 GHz)
- Automotive, SAE J1113/27, GMW 3100GS, GM9114P, ES-XW7T-1A278-AC (>400 MHz)

### Technical specifications

Dimension chamber XS (LxDxH in mm):	2700 x 1500 x 1300
Dimension over all XS (LxDxH in mm):	2780 x 1590 x 1440
LUF Model XS:	approx. 500 MHz
Dimension chamber 2XS (LxDxH in mm):	1500 x 800 x 1000
Dimension over all 2XS (LxDxH in mm):	1580 x 890 x 1140
LUF Model 2XS:	approx.. 800 MHz
Door size, chamber XS and 2XS (LxH in mm):	645 x 480
Weight model 2XS:	approx. 96 kg



Stirrer control program



Compliance software:  
Stirrer settings

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Advanced Test Solutions for EMC