

Citrotek EMC-Temperature Test Chambers (bench top version)

Based on CTS latest chamber generation with innovative technique and future-oriented design.

Standard-Version of the product line "T-XX/XXX-EMC":

- ▶ Multicolour touch panel / 32 Bit Controller
- ▶ Minimum noise level
- ▶ RS 232 interface / Ethernet interface
- ▶ Potential free contact for malfunction signal
- ▶ Single-hand operated door handle, lockable
- ▶ Entry module on the right side
- ▶ EMC damping up to 82dB, better than 55dB on averaged in the range from 0,5 to 6 GHz

Your benefits:

- ▶ Complies with current CE and EMC regulation
- ▶ Use of environmentally friendly materials and refrigerants
- ▶ Service-friendly construction simple
- ▶ user-friendly operation
- ▶ Optimized parameters for highest testing precision



Test space capacity in litres: 25 / 50

Temperature range: -40° C / +105° C; -65° C / +105° C



EMC-Temperature Test Chambers (bench top version) series T-40 and T-65

25 and 50 Ltr.

Type		T -40/25	T-40/50	T -65/50
Test space	litres appr.	25	50	50
Test space dimensions	height mm, appr.	300	400	400
	width mm, appr.	350	400	400
	depth mm, appr.	240	320	320
Overall dimensions	height mm, appr.	860	980	980
	width mm, appr.	510	560	560
	depth mm, appr.	580	660	840
Design		bench top cabinet		
Temperature tests				
Temperature range	°C	-40/+105	-40/+105	-65/+105
Temp. change rate cooling	T-40/... K/min	6,5	5	
acc IEC 60068-3-5	T-70/... K/min			4
Temp. change rate heating	K/min	8	5	5
acc IEC 60068-3-5				
max. thermal load at +20° C W		400	400	400
Temperature fluctuation	K	± 0,5 / ± 1 temporally		
Nominal voltage		230 V +6% -10%, 1/N, 50 Hz		
Nominal power	kW, appr.	1,9	1,9	2,3
Refrigeration units		air cooled		
Weight	kg, appr.	90	130	160

All figures are average values which have been obtained at a temperature of +25°C, without test specimens, without thermal load and without accessories. The max. thermal load and the cooling/heating gradients are listed with a blank entry module without any lead through. The maximum test temperature can be limited to 85°C, as some lead through will be damaged above this temperature.

Design:

Control:

Test space:

Refrigerants:

Microprocessor control and monitoring system

Stainless steel grade 1.4301

Chloride free, hermetically sealed

Options:

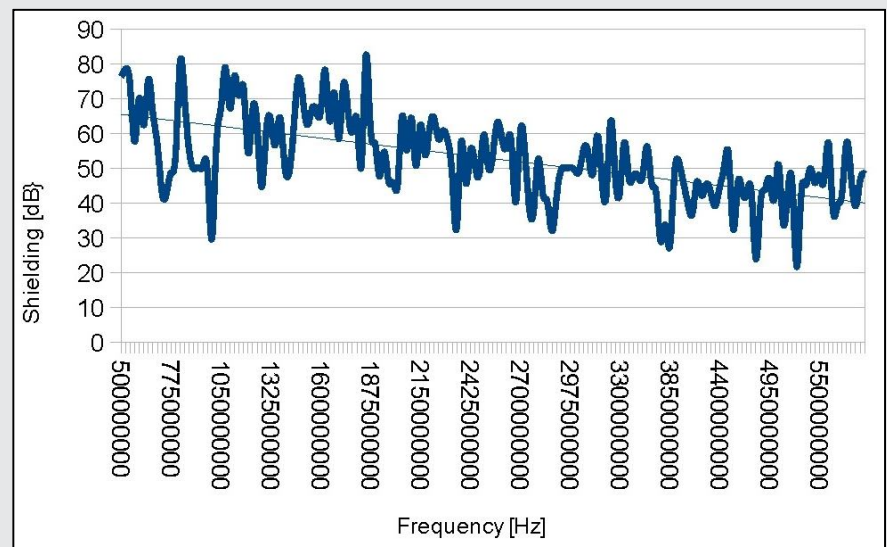
- ▶ Entry module in left side too
- ▶ Rack incl. 1 shelf
- ▶ Table with height 330 or 515 mm
- ▶ Sub-zero module heater
- ▶ USB, D-sub, DC and SMA lead through
- ▶ add. Pt 100 for temperature measuring on test specimen alternative reversible to controller function

- ▶ air dryer system
- ▶ Temperature protection for test-specimen
- ▶ CID software for programming and documentation
- ▶ variable air speed in the test space
- ▶ RS 232 interface changeable to USB
- ▶ USB - interface

Other chamber sizes and Options on request.

We are producing a lot of different entry modules, based on customer unique requirements: 9 & 25 pole D-sub connector, SMA 24, single pole DC lead-troughs and a filtered USB2.0 lead-trough, fitted with a female plug type A and B. The USB including the "sub-zero heater" option, which maintains a temperature on the outside of the module, between +15° and +25°C and are preventing water and ice to build up, due to the thermal conductivity of the USB lead-trough.

We reserve the right to make alterations due to technical development. Ver. 1.04/4/2015



Citrotek ApS ▲ Jespervej 50 ▲ 3400 Hillerød ▲ Denmark

Tel.: +45 4824 3656 ▲ Fax: +45 4824 3628

E-Mail: salg@citrotek.dk ▲ www.citrotek.dk