CTS-Temperature Test Chambers (Bench Top Version)

The latest generation with innovative technique and future-oriented design.

Basic Equipment:

► capacitive Multi-Touch-Display in the front

► defined keys for elementary functions of the installation such as start/stop, fixed-value/automatic operation, interruption, light, etc.

► USB -Connection to save measuring data on USB Stick

► Ethernet – Interface/RS 232 – Interface

► 2 Digital Out, to switch test specimen ON/OFF

► adjustable software-temperature-limiter min./max.

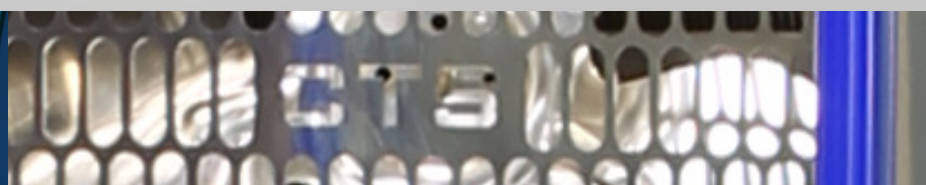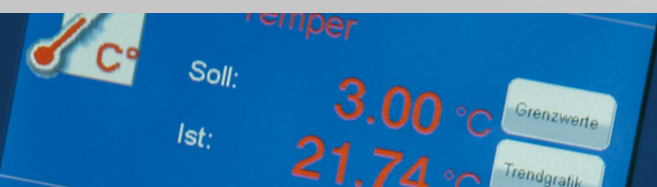► shelf, stainless steel

► entry port Ø 50 mm on the right side

Your benefits:

► low consumption data

► minimum noise level

► user-friendly operation and programming

► uniform operation due to identical Multi-Touch-Display for all chamber sizes

► Service-friendly construction

► international standards are fulfilled (CE-Conformity)

Test space capacity in Litres: 25 / 50

Temperature range: -40° C / +180° C

-65° C / +180° C

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Type			T-40/25	T-40/50	T-65/50
Test space	litres		25	50	50
Test space dimensions	height	mm, appr.	300	400	400
	width	mm, appr.	350	400	400
	depth	mm, appr.	240	320	320
Overalll dimensions	height	mm, appr.	860	1030	1030
	width	mm, appr.	510	560	560
	depth	mm, appr.	580	660	840
Design			bench top cabinet	bench top cabinet	bench top cabinet
Temperature tests					
Temperature range	°C		-40/+180	-40/+180	-65/+180
Temp. change rate cooling acc IEC 60068-3-5	K/min		6,5	5	4
Temp. change rate heating acc IEC 60068-3-5	K/min		8	5	6
max. thermal load at +20°C	W		400	400	400
Temperature fluctuation	K		$\leq\pm$ 0,3	$\leq\pm$ 0,3	$\leq\pm$ 0,3
Nominal voltage			230 V +6 /-10%	230 V +6 /-10%	230 V +6 /-10%
			1/N, 50 Hz	1/N, 50 Hz	1/N, 50 Hz
Nominal power	kW, appr.		2,2	2,2	2,8
Refrigeration units			air cooled	air cooled	air cooled
Weight	kg, appr.		90	130	160
Noise level	dB(A)		50	50	<52

All figures are average values which have been obtained at a temperature of +25°C, without test specimen, without thermal load and without options.

Control: Multi-Touch-Display with integrated programm controller

Test space: Stainless steel grade 1.4301

Refrigerants: environmental friendly refrigerants

Options:

► add. entry ports Ø 50 mm, 80 mm und 125 mm
► Rack incl. 1 shelf
► Table with height 330 or 515 mm
► Window, multiple glazed
► add. Pt 100 for temperature measuring on test specimen reversible to controller function
► air dryer system
► Temperature protection for test-specimen
► CID software for programming and documentation
► variable air speed in the testspace
► RS 232 interface changeable to USB
► notch

Other chamber sizes and options on request. We reserve the right to make modifications due to technical development.