

# CTS-TEMPERATURE TEST CHAMBERS (BENCH TOP VERSION)

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



## STANDARD-VERSION OF THE PRODUCT LINE "T":

- ▶ multicolour touchpanel / 32 Bit Controller
- ▶ RS 232 interface
- ▶ potential free contact for malfunction signal
- ▶ entry port  $\varnothing$  50 mm
- ▶ Error display in plain text

## YOUR BENEFITS:

- ▶ Complies with current CE and EMC regulation
- ▶ use of environmentally friendly materials and refrigerants
- ▶ service-friendly construction
- ▶ minimum noise level
- ▶ simple user-friendly operation and programming
- ▶ high temperature change rate
- ▶ low power-consumption datas
- ▶ optimized parameters for highest testing precision

TEST SPACE CAPACITY IN LITRES: 25 / 50

TEMPERATURE RANGE:  $-40^{\circ}\text{C} / +180^{\circ}\text{C}$ ;  $-65^{\circ}\text{C} / +180^{\circ}$



# CTS-TEMPERATURE TEST CHAMBERS (BENCH TOP VERSION) SERIES T-40 AND T-65

25 UP TO 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          |          |          |
| <b>TEMPERATURE TESTS</b>                       |                  |                            |          |          |
| Temperature range                              | °C               | -40/+180                   | -40/+180 | -65/+180 |
| Temp. change rate cooling<br>acc IEC 60068-3-5 | K/min            | 6,5                        | 5        | 4        |
| Temp. change rate heating<br>acc IEC 60068-3-5 | K/min            | 8                          | 5        | 6        |
| max. thermal load at +20° C                    | W                | 400                        | 400      | 400      |
| Temperature fluctuation                        | K                | ≤± 0,3 temporally          |          |          |
| Nominal voltage                                |                  | 230 V +6% -10%, 1/N, 50 Hz |          |          |
| Nominal power                                  | kW, appr.        | 2,2                        | 2,2      | 2,8      |
| Refrigeration units                            |                  | 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 specimens, without thermal load and without options.

## DESIGN:

Control: Microprocessor control and monitoring system  
 Test space: Stainless steel grade 1.4301  
 Refrigerants: Chloride free, hermetically sealed

## 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
- ▶ Hand-hole in the door
- ▶ 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 testspace
- ▶ RS 232 interface changeable to USB
- ▶ ETHERNET- interface

Other chamber sizes and options on request.

We reserve the right to make alterations due to technical development.

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