Memmert CTC/TTC Environmental Test Chambers

memmert

Rapid, precise and energy saving temperature changes in the range from –42 to 190°C, along with fast humidity recovery times, make the TTC temperature test chamber and the CTC climatic test chamber with humidity unit a perfect duo.

- State of the art control technology
- Extremely powerful due to the optimally coordinated heating and cooling technology
- Specifically suited for tests in accordance with IEC 60068
- High tech insulation system for permanent insulation capacity and energy efficiency
- Temperature change rate in heating operation according to IEC 60068-3-5: 10K/min (–40 to 180°C; measured at an ambient temperature of 22°C)
- Temperature change rate in cooling operation according to IEC 60068-3-5: 3K/min (from 180 to –40°C; measured at an ambient temperature of 22°C)
- Refrigerant R449A, significantly more climate friendly than R404A

CTC only:

- Electronically controlled active humidification and dehumidification from 10 to 98%rh
- Telescopic slide for 2 x 10L tanks for distilled water as fresh water and 2 x 10L as condensate collector
- Automatic water tank changer-over with alarm for continuous operation
- Works calibration certificate at –20°C and 160°C and at 30°C and 60%rh

Code	Alt Ref	Temp Range, °C	Humidity, % rh	Int Dims, w x d x h, mm	Ext Dims*, w x d x h, mm	Price
CHA4002	CTC256	+10 to +95 (with humidity)	10 to 98	640 x 597 x 670	898 x 1100 x 1730	**£22885.00**
CHA4004	TTC256	–42 to +190 (without humidity)	—	640 x 597 x 670	898 x 1100 x 1730	**£19888.00**

* External width plus 20mm for silicone stopper and 5mm for interface, external depth plus 50mm for door handle

Memmert HCP Humidity Chambers

memmert

Applications for humidity chambers range from construction physics to corrosion testing and down to biological research. Ramp programming for temperature and humidity, active humidity control between 20 and 95%rh as well as exact temperature control of up to 90°C ensure a controlled, physiologically ideal environment for the simulation of real conditions. Memmert humidity chambers are ideally adapted for environmental tests, accelerated testing and 85/85 tests according to IEC 60068-2-67 und IEC 60068-2-78.

- ControlCOCKPIT: TwinDISPLAY with two high resolution TFT colour touch displays
- Setting temperature range: 18 to 90°C
- Setting range active humidity control: 20 to 95%rh
- Capacitive humidity sensor for measuring and displaying the relative humidity
- Fully insulated stainless steel door and heated inner glass door
- All-round heating on 6 sides
- Ethernet interface for reading out protocol log
- USB port on ControlCOCKPIT for use of USB stick
- Multiple overtemperature protection/under temperature alarm
- Works calibration certificate at 60°C/75%rh

For further information on TwinDISPLAY please see page 529

Code	Alt Ref	Volume, L	Stainless Steel Grids	Int Dims*, w x d x h, mm	Ext Dims**, w x d x h, mm	Price
CHA4010	HCP50	56	1	400 x 330 x 425	559 x 521 x 795	**£6752.00**
CHA4012	HCP105	107	2	560 x 400 x 480	719 x 591 x 850	**£7759.00**
CHA4014	HCP150	156	2	560 x 400 x 700	719 x 591 x 1070	**£10629.00**
CHA4016	HCP240	241	2	600 x 500 x 810	759 x 691 x 1180	**£11721.00**

* Internal dimensions: depth less 35mm for fan
** External dimensions: depth without door handle, depth of handle 56mm