

**PRODUCT SPECIFICATION - CT300EP50-5K**

# Environmental test chamber TESTA CT300EP50-5K



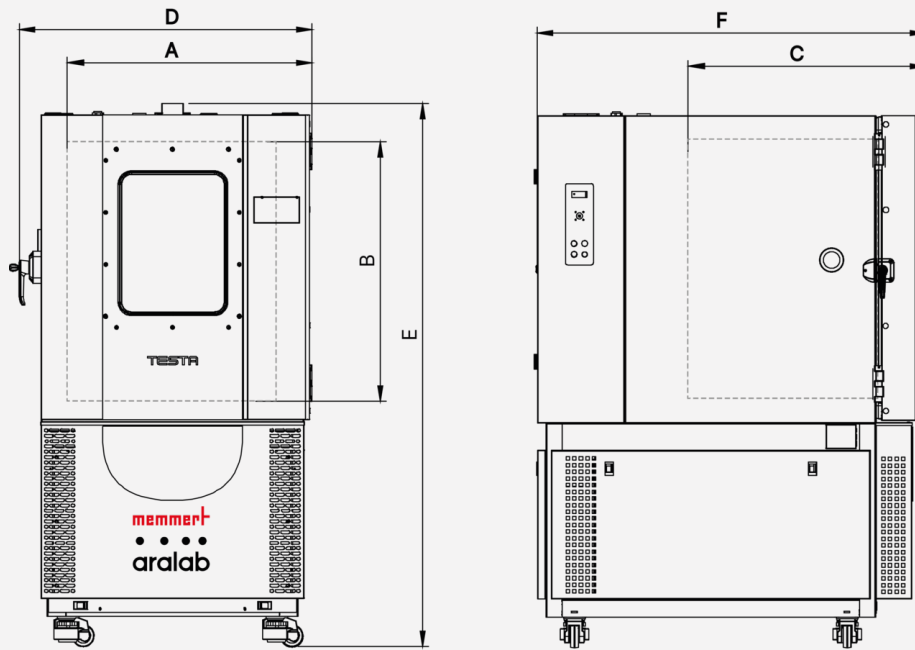
TESTA TT / TESTA CT – Reliable and precise environmental test chambers.

TESTA CT and TESTA TT environmental test chambers expand the Memmert portfolio, offering high-performance solutions for environmental simulation.

With a wide temperature range from  $-75$  to  $+180$  °C, controlled humidity from 10 to 98 % RH and temperature change rates of up to 10 K/min, these devices are the perfect choice for diverse applications in research and quality assurance.

## Key Performance Features

- Temperature Change Rates: up to 10K/h
- State-of-the-Art Connectivity
- Flexible Interior Design
- Premium Quality



### Temperature

Setting temperature range	°C	-52 to +180
Setting accuracy	°C	0.1
Temporal temperature deviation		± 0.1 to ± 0.3
Temperature control system		By stainless steel electric heaters located in the air treatment tunnel

### Humidity

Setting range	% rh	10 to 98 %rh
Setting accuracy	% rh	0.1
Humidification system		<ul style="list-style-type: none"> <li>• Humidity: Through thermostatic bath with dew point control</li> <li>• Drying: Through thermostatic bath with dew point control and additional dry coil</li> </ul>

### Features

Control unit		Touch screen controller
Adjustable parameters		<ul style="list-style-type: none"> <li>• Temperature</li> <li>• Relative humidity</li> </ul>
Adjustable device functions		<ul style="list-style-type: none"> <li>• Climate control regulation</li> <li>• Real-time display of process variables</li> <li>• Program execution</li> <li>• Alarm definition</li> <li>• and much more</li> </ul>
Interfaces		Ethernet LAN

### Safety

Temperature monitoring		<ul style="list-style-type: none"> <li>• 1 Pt100 sensor DIN class A, movable sensors for flexible placing inside chamber</li> <li>• 1 Pt100 sensor DIN class A</li> <li>• Psychrometric humidity sensor   EP</li> </ul>
Temperature monitoring		Safety thermostat with High / Low temperature configuration, with automatic stop of all thermic systems
Alarm		<ul style="list-style-type: none"> <li>• Automatic stop function in case of water failure, with indication on the controller</li> <li>• High / Low humidity alarms</li> <li>• High / Low Temperature alarms</li> </ul>

### Heating concept

Cooling system		Air cooled hermetic compressor group (low noise and high efficiency) with enforced ventilation and without CFC's
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### Standard equipment

Door		Lockable door, double silicone door gaskets and anti-condensation heating frames
Standard option		<ul style="list-style-type: none"> <li>• Entryport Ø 80 mm, left</li> <li>• Door locking, mechanical</li> </ul>
Type standard insert		Stainless steel perforated shelf
Number of slide-in units		2
Other standard accessories		<ul style="list-style-type: none"> <li>• Water conductivity measuring device</li> <li>• Documentation package</li> </ul>

**Stainless steel interior**

Volume	l	272
Width	mm	634
Height	mm	715
Depth	mm	600
Max. number of grids/shelves	number	10
Max. loading of chamber	kg	120
Max. loading of grids/shelves	kg	25

**Textured stainless steel casing**

Width	mm	1009
Height	mm	1840
Depth	mm	1340
Installation		on height-adjustable and lockable castors

**Electrical data**

Electrical load; 400 V or 3x230 V	kW	11
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**Ambient conditions**

Distance to neighbouring appliances / wall clearances	back	mm	1000
	lateral	mm	500

**Packing/shipping data**

Transportinformation			The appliances must be transported upright
Customs tariff number			8419 8998
Country of origin			PT
Packaging	Width	mm	1110
	Height	mm	2090
	Depth	mm	1520
Weight	net	kg	535
	gross	kg	665

**Standard units are safety-approved and bear the test marks:**

