PRODUCT SPECIFICATION - CT300EP50-5K

# Environmental test chamber TESTA

# CT300EP50-5K




TESTA CT – Precise and reliable environmental test chambers.

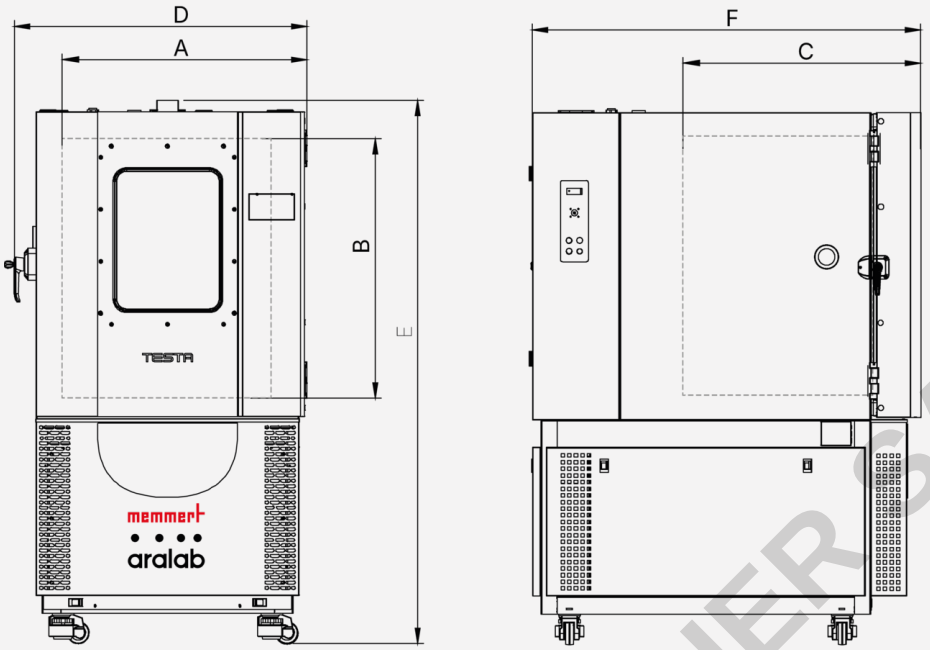
The TESTA CT environmental test chambers expand the Memmert portfolio with high-performance solutions for environmental simulation.

With a wide setting temperature range of -52 to +180 °C, controlled humidity from 10 to 98 % RH and configurable temperature change rates of up to 10 K/min, the appliances offer an ideal solution for temperature and climatic testing, simulations of environmental conditions, ageing tests and stress tests.

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## Features

- Configurable temperature Change Rates: up to 10K/min
- 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 | | • Humidity: Through thermostatic bath with dew point control<br>• Drying: Through thermostatic bath with dew point control and additional dry coil |

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## Features

| | | |
|---|---|---|
| Control unit | | Touch screen controller |
| Adjustable parameters | | • Temperature<br>• Relative humidity |
| Adjustable device functions | | • Climate control regulation<br>• Real-time display of process variables<br>• Program execution<br>• Alarm definition<br>• and much more |
| Interfaces | | Ethernet LAN |

## Safety

| | | |
|---|---|---|
| Parameter monitoring | | • 1 Pt100 sensor DIN class A, movable sensors for flexible placing inside chamber<br>• 1 Pt100 sensor DIN class A<br>• Psychrometric humidity sensor \| EP |
| Temperature monitoring | | Safety thermostat with High / Low temperature configuration, with automatic stop of all thermic systems |
| Alarm | | • Automatic stop function in case of water failure, with indication on the controller<br>• High / Low humidity alarms<br>• High / Low Temperature alarms |

## Heating concept

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

## Standard equipment

| | | |
|---|---|---|
| Door | | Lockable door, double silicone door gaskets and anti-condensation heating frames |
| Standard option | | • Entryport Ø 80 mm, left<br>• Door locking, mechanical |
| Type standard insert | | Stainless steel grid, electropolished |
| Number of slide-in units | | 2 |
| Other standard accessories | | • Water conductivity measuring device<br>• Documentation package |

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## 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 |

## Ambient conditions

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

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## Packing/shipping data

| | | | |
|---|---|---|---|
| Transportinformation | | | The appliances must be transported upright |
| Customs tariff number | | | 8419 8998 |
| Country of origin | | | PT |
| Packaging | Width | mm | 1180 |
| | Height | mm | 2100 |
| | Depth | mm | 1575 |
| Weight | net | kg | 513 |
| | gross | kg | 704 |

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

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