

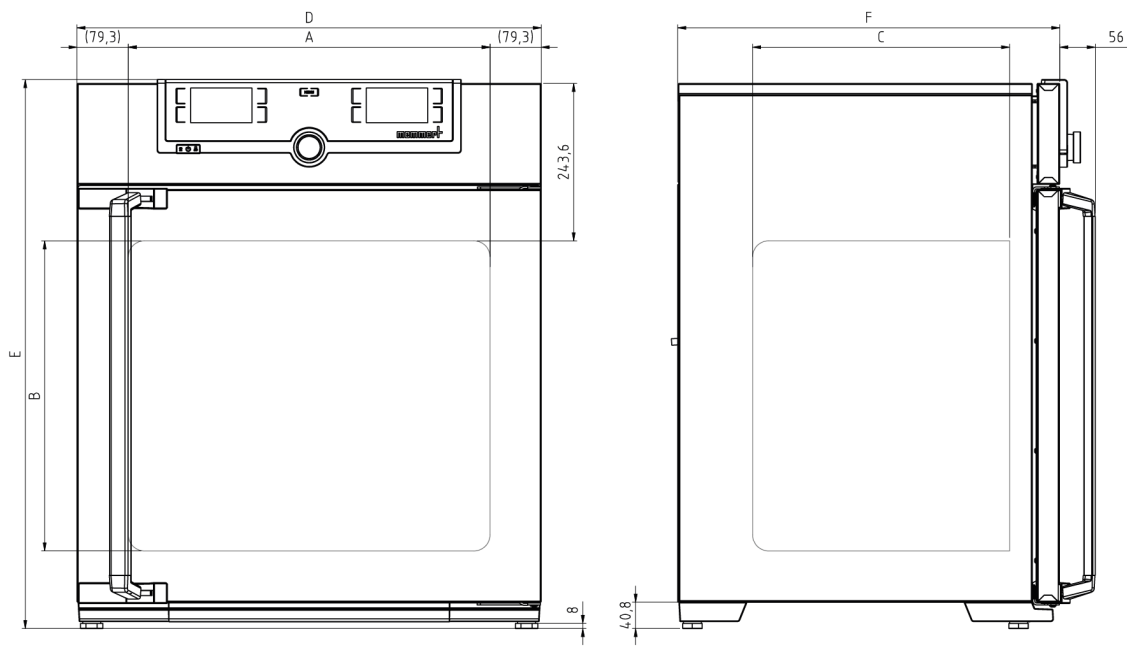


## CO<sub>2</sub> Incubator ICO50med

Safety at all times: High-end functions for the protection of cell cultures, bacteria cultures or tissue cultures.



On this page, you can find all the essential technical data on the Memmert CO<sub>2</sub> incubator ICOmed. Our customer relations team will be pleased to help if you want further information. If you should require a customised special solution, please contact our technical specialists at [myAtmoSAFE@memmert.com](mailto:myAtmoSAFE@memmert.com).



## Temperature

<b>Working-temperature range</b>	5 °C above ambient temperature up to +50 °C Standard sterilisation programme: 60 minutes at 180°C (without removing the sensors)
<b>Setting temperature range</b>	+18 to +50 °C
<b>Setting accuracy temperature</b>	0.1 °C
<b>Temperature</b>	2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value

## Humidity

<b>Setting range active humidity control</b>	40 to 97 % rh and rh-Off
<b>Setting accuracy humidity</b>	0.5 % rh
<b>Humidity control (standard)</b>	Humidity limitation thanks to a Peltier element; when water dish is full and inserted, the Peltier element limits the value of relative humidity in the interior to 93 % rh +/- 2.5 %

## Control of standard components

<b>CO2 control</b>	Digital electronic CO2 control with dual beam NDIR system, with auto-diagnostic system and acoustic fault indication, barometric pressure compensation
<b>Adjustment range CO2</b>	0 to 20 % CO2
<b>Setting accuracy CO2</b>	0,1%
<b>Variation in time CO2</b>	+/- 0.2 % CO2
<b>Adjustment range O2</b>	1 to 20 % O2
<b>Setting accuracy O2</b>	0.1 % O2

## Control technology

<b>ControlCOCKPIT</b>	TwinDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays.
<b>Language setting</b>	German, English, Spanish, French, Polish, Czech, Hungarian
<b>Function SetpointWAIT</b>	the process time does not start until the set temperature is reached
<b>adjustable parameters</b>	temperature (Celsius or Fahrenheit), fan speed, CO2, programme time, time zones, summertime/wintertime

## Communication

<b>Interface</b>	Ethernet LAN, USB
<b>Documentation</b>	programme stored in case of power failure
<b>Programming</b>	AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port

## Safety

**Autodiagnostic system** integral fault diagnostics for temperature, CO2 and humidity limit control

**Alarm** visual and acoustic

## Heating concept

**6 sides** large-area multi-function heating system on four sides with additional door and back heating to avoid condensation

## Standard equipment

**Internals** 1 perforated stainless steel shelf/shelves

**Internals** 1 stainless steel water dish

**Door** fully insulated stainless steel door with 2-point locking (compression door lock)

**Door** inner glass door with opening (8 mm Ø) to take gas sample

## Stainless steel interior

**Interior** material 1.4301 (ASTM 304), corrosion resistant

**Volume** 56 l

**Dimensions W x H x D in mm**  $w_{(A)} \times h_{(B)} \times d_{(C)}$ : 400 x 425 x 330 mm

**Max. number of internals** 5

**Max. loading of chamber** 75 kg

**Max. loading per internal** 15 kg

## Textured stainless steel casing

**Dimensions**  $w_{(D)} \times h_{(E)} \times d_{(F)}$ : 559 x 791 x 521 mm

**Housing** rear zinc-plated steel

## Electrical data

**Voltage** 230 V, 50/60 Hz

**Electrical load** approx. 1000 W

**Voltage** 115 V, 50/60 Hz

**Electrical load** approx. 1000 W

## Ambient conditions

### Set Up

The distance between the wall and the rear of the appliance must be at least 15 cm. The clearance from the ceiling must not be less than 20 cm and the side clearance from walls or nearby appliances must not be less than 5 cm.

<b>Ambient temperature</b>	10 °C to 35 °C
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<b>Humidity rh</b>	max. 70 %, non-condensing
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<b>Altitude of installation</b>	max. 2,000 m above sea level
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<b>Overvoltage category</b>	II
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<b>Pollution degree</b>	2
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## Packing/shipping data

<b>Transport information</b>	The appliances must be transported upright
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<b>Customs tariff number</b>	8419 8998
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<b>Country of origin</b>	Federal Republic of Germany
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<b>WEEE-Reg.-No.</b>	DE 66812464
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<b>Dimensions approx incl. carton</b>	B x H x T: 730 x 950 x 640 mm
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<b>Net weight</b>	approx. 55 kg
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<b>Gross weight carton</b>	approx. 74 kg
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**Standard units are safety-approved and bear the test marks**

