

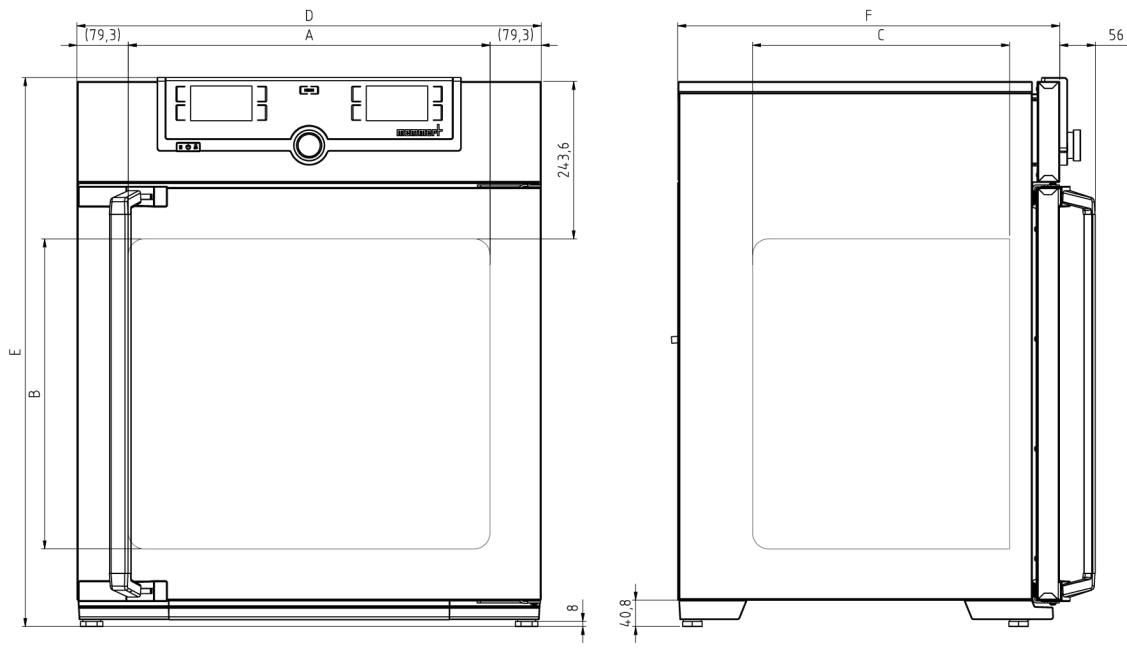


CO₂ Incubator ICO105med

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 CO₂ 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.



Temperature

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

Humidity

Setting range active humidity control	40 to 97 % rh and rh-Off
Setting accuracy humidity	0.5 % rh
Humidity control (standard)	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

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

Control technology

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

Communication

Interface	Ethernet LAN, USB
Documentation	programme stored in case of power failure
Programming	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 2 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 107 l

Dimensions W x H x D in mm $w_{(A)} \times h_{(B)} \times d_{(C)}$: 560 x 480 x 400 mm

Max. number of internals 6

Max. loading of chamber 90 kg

Max. loading per internal 15 kg

Textured stainless steel casing

Dimensions $w_{(D)} \times h_{(E)} \times d_{(F)}$: 719 x 846 x 591 mm

Housing rear zinc-plated steel

Electrical data

Voltage 230 V, 50/60 Hz

Electrical load approx. 1500 W

Voltage 115 V, 50/60 Hz

Electrical load approx. 1500 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.

Ambient temperature 10 °C to 35 °C

Humidity rh max. 70 %, non-condensing

Altitude of installation max. 2,000 m above sea level

Overvoltage category II

Pollution degree 2

Packing/shipping data

Transport information The appliances must be transported upright

Customs tariff number 8419 8998

Country of origin Federal Republic of Germany

WEEE-Reg.-No. DE 66812464

Dimensions approx incl. carton B x H x T: 800 x 1030 x 800 mm

Net weight approx. 75 kg

Gross weight carton approx. 100 kg

Standard units are safety-approved and bear the test marks

