



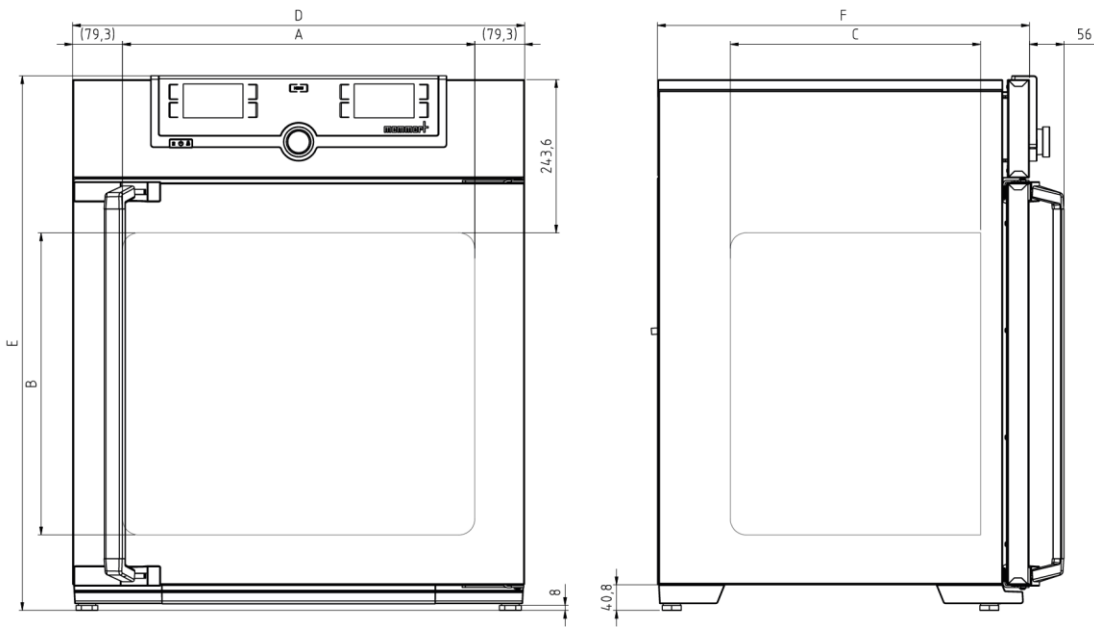
Product specification

CO₂ Incubator
ICO105

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 ICO. Our customer relations team will be pleased to help if you want further information. If you should require a customized special solution, please contact our technical specialists at info@memmertusa.com.



Control of standard components

| | |
|--|---|
| Temperature | 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value |
| 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 |
| Variation in time CO2 | +/- 0.2 % CO2 |
| ControlCOCKPIT | adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-color displays |
| Humidity control | 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 % |
| Setting range active humidity control | 40 to 97 % rh and rh-Off |
| Setting accuracy humidity | 0.5 % rh |
| Adjustment range O2 | 1 to 20 % O2 |
| Setting accuracy O2 | 0.1 % O2 |

Temperature

| | |
|-------------------------------------|---|
| Working-temperature range | 5 °C above ambient temperature up to +50 °C Standard sterilization program: 60 minutes at 180°C (without removing the sensors) |
| Setting temperature range | +18 to +50 °C |
| Setting accuracy temperature | 0.1 °C |

Control technology

| | |
|------------------------------|--|
| Function SetpointWAIT | the process time does not start until the set temperature is reached |
| Language setting | German/English/Spanish/French |

Communication

| | |
|----------------------|---|
| Documentation | program stored in case of power failure |
| Programming | AtmoCONTROL software for reading out, managing and organizing the data logger via Ethernet interface (temporary trial version can be downloaded). USB stick with AtmoCONTROL software available as accessory (on demand). |

Safety

| | |
|--------------|---------------------|
| Alarm | visual and acoustic |
|--------------|---------------------|

Heating concept

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

Standard equipment

| | |
|--------------------------|--|
| Internals | 2 pcs stainless steel shelves, perforated |
| Door | inner glass door with opening (8 mm Ø) to take gas sample |
| Door | fully insulated stainless steel door with 2-point locking (compression door lock) |
| Housing | rear zinc-plated steel |
| Interior | material 1.4301 (ASTM 304), corrosion resistant |
| Internals | 1 pc stainless steel water dish |
| Scope of delivery | incl. works calibration certificate (measuring point chamber center) at +37°C, 5 % CO2 for standard units |
| Scope of delivery | incl. works calibration certificate for +37°C, 5 % CO2 and 90 % rh (requires option K7); standard equipment for units with active humidity control |
| Scope of delivery | incl. works calibration certificate for +37°C, 5 % CO2, 90 % rh and 10 % O2 (requires option K7 and option T6); Standard equipment for units with O2 control |

Stainless steel interior

| | |
|---------------------------------------|--|
| Max. loading of chamber: | 198 lbs |
| Dimensions W x H x D in inches | $w_{(A)} \times h_{(B)} \times d_{(C)}$: 22 x 18.9 x 15.7 |
| Volume | 107 l or 3.8 cu. ft. |

Electrical data

| | |
|------------------------|-------------------|
| Voltage | 115 V, 50/60 Hz |
| Electrical load | approx. 13.0 amps |
| Voltage | 230 V, 50/60 Hz |
| Electrical load | approx. 6.5 amps |

Packing/shipping data

| | |
|---|-------------------------------|
| Dimensions approx. incl. carton in inches | B x H x T: 31.5 x 40.6 x 31.5 |
| the appliances must be transported upright | |
| Customs tariff number | 8419 8998 |
| Country of origin | Federal Republic of Germany |
| WEEE-Reg.-No. | DE 66812464 |
| Net weight | approx. 166 lbs |
| Gross weight carton | approx. 221 lbs |

Standard units are safety-approved and bear the test marks



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