



memmert
Experts in Thermostatics

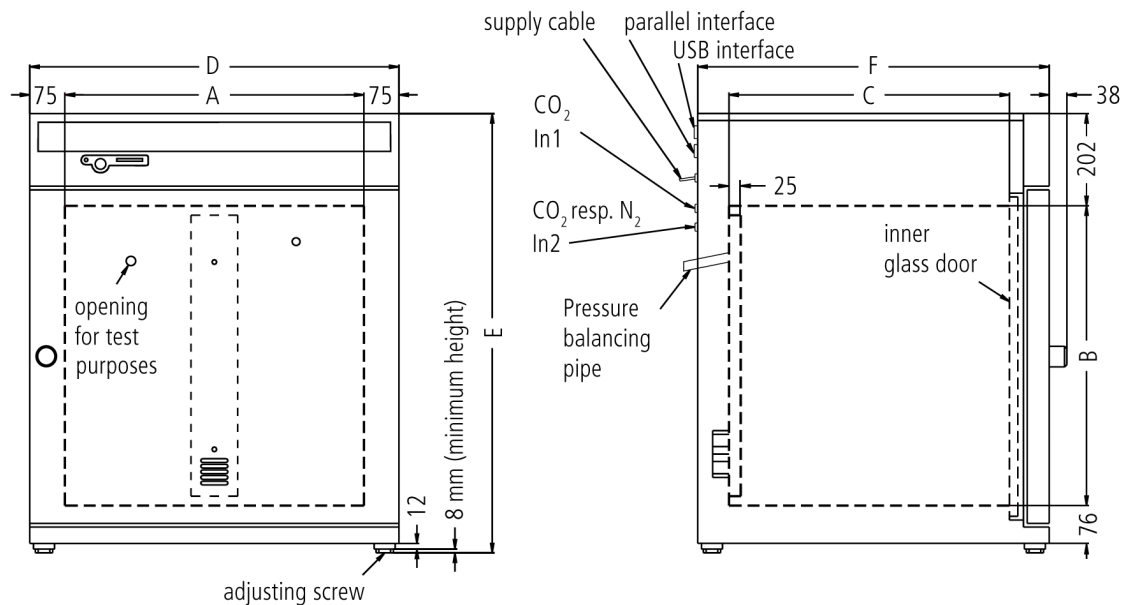
Product specification

CO₂ Incubator (med) INCO108med

Protection for in vitro growing cell cultures, tissue cultures and bacteria cultures in a controlled and physiologically ideal environment.



On this page, you can find all the essential technical data on the Memmert CO₂ incubator INCOmed. 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.



Control of standard components

Controller	Electronic microprocessor temperature controller with auto-diagnostic system
Temperature	2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
Timer	digital 7-day programme timer with real time clock, precise minute setting
Controller	digital display of all set parameters, such a temperature, weekdays, time, CO2, humidity and set-up values - language to be chosen via set-up
CO2	CO2-supply via sterile filter
CO2	digital electronic CO2-control with automatic zeroing (infrared measuring system) - adjustment range 0 - 10 % - resolution 0.1 %
CO2	intrinsic adjustment of altitude above sea level
CO2	CO2-supply interruption upon door opening
Controller	digital display of setpoint and actual values (LED) for temperature (resolution 0.1°C) and CO2 concentration (0.1 %)
Humidity	integrated humidity limit control (88-97 % rh) with digital display of relative humidity - resolution of display 0.5 %, setting accuracy 1 %

Temperature

min. 8°C above ambient up to +50°C

Control technology

Calibration	three freely selectable temperature values, 2-point-calibration for humidity: 20 and 90 %, 3-point calibration for CO2: 5 %, 7 %, 10 %
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Ventilation

uniform atmosphere and temperature distribution owing to enclosed non-turbulent ventilation system in working chamber

Communication

Documentation	programme stored in case of power failure
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Safety

Autodiagnostic system	integral fault diagnostics for temperature, CO2 and humidity limit control
Alarm	visual and acoustic
Temperature control	overtemperature monitor TWW, protection class 3.1 or adjustable temperature limiter TWB, protection class 2, selectable on display
Alarm	Acoustic alarm: Over- and undertemperature, over-CO2 and empty gas cylinder, open door, underhumidity and empty water tank (with optional humidity module)
AutoSAFETY	additionally integrated over- and undertemperature monitor "ASF", automatically following the setpoint value at a preset tolerance range, alarm in case of over- or undertemperature, heating is switched off in case of overtemperature
Temperature control	mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 10°C above nominal temperature

Heating concept

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 shelves and 1 stainless steel water tray
Scope of delivery	chip-card (STERICard) for sterilisation of working chamber with fixed values (4 hours/160°C), without removal of sensors and mountings
Scope of delivery	incl. works calibration certificate for +37°C
Door	fully insulated stainless steel door with 2-point locking (compression door lock), lockable
Door	inner glass door with opening (8 mm Ø) to take gas sample
Housing	rear zinc-plated steel
Interior	easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing, material 1.4301 (ASTM 304), hermetically welded

Stainless steel interior

Dimensions W x H x D in mm	$w_{(A)} \times h_{(B)} \times d_{(C)}$: 560 x 480 x 400 mm
Volume	108 l

Textured stainless steel casing

	$w_{(D)} \times h_{(E)} \times d_{(F)}$: 710 x 778 x 550 mm
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Electrical data

Voltage	230 V, 50/60 Hz
Electrical load	approx. 1000 W

Packing/shipping data

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: 830 x 1060 x 800 mm
Net weight	approx. 70 kg
Gross weight carton	approx. 95 kg

Standard units are safety-approved and bear the test marks

