

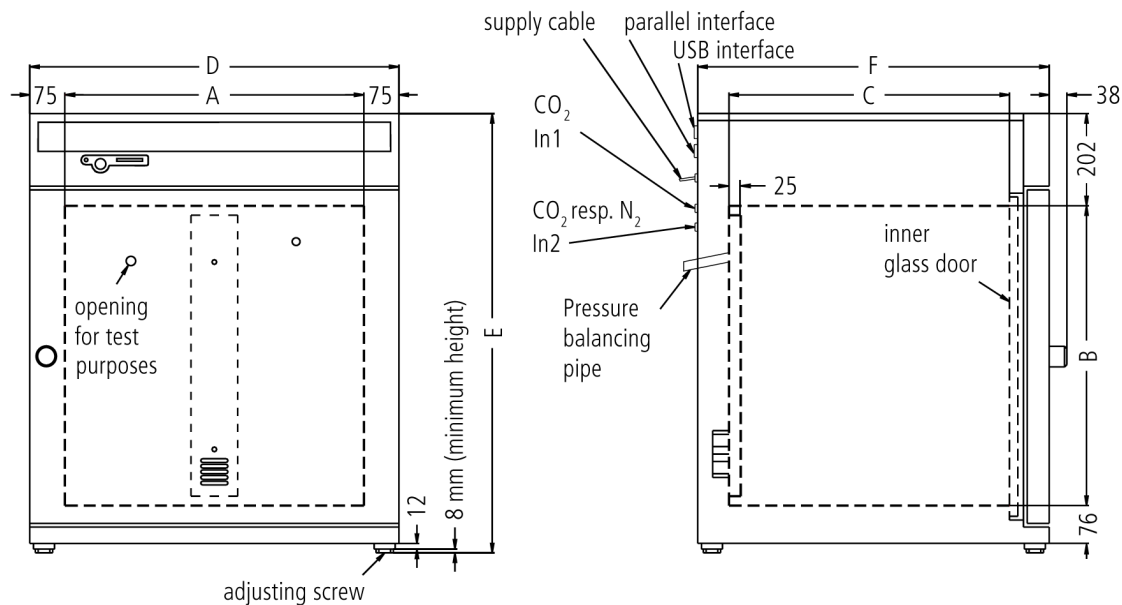


CO₂ Incubator (med) INCO153med

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.



Temperature

Working temperature range	min. 8°C above ambient up to +50°C
Temperature	2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value

Humidity

Humidity	integrated humidity limit control (88-97 % rh) with digital display of relative humidity - resolution of display 0.5 %, setting accuracy 1 %
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CO2

CO2	CO2-supply via sterile filter
CO2	intrinsic adjustment of altitude above sea level
CO2	CO2-supply interruption upon door opening
CO2	digital electronic CO2-control with automatic zeroing (infrared measuring system) - adjustment range 0 - 10 % - resolution 0.1 %

Control of standard components

Controller	digital display of setpoint and actual values (LED) for temperature (resolution 0.1°C) and CO2 concentration (0.1 %)
Timer	digital 7-day programme timer with real time clock, precise minute setting

Control technology

Display	digital display of all set parameters, such a temperature, weekdays, time, CO2, humidity and set-up values - language to be chosen via set-up
Controller	Electronic microprocessor temperature controller with auto-diagnostic system
Calibration	three freely selectable temperature values, 2-point-calibration for humidity: 20 and 90 %, 3-point calibration for CO2: 5 %, 7 %, 10 %

Communication

Documentation	programme stored in case of power failure
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Safety

Temperature control	mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 10°C above nominal temperature
Temperature control	overtemperature monitor TWW, protection class 3.1 or adjustable temperature limiter TWB, protection class 2, selectable on display
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
Autodiagnostic system	integral fault diagnostics for temperature, CO2 and humidity limit control
Alarm	Acoustic alarm: Over- and undertemperature, over-CO2 and empty gas cylinder, open door, underhumidity and empty water tank (with optional humidity module)

Heating concept

6 sides	large-area multi-function heating system on four sides with additional door and back heating to avoid condensation
Ventilation	uniform atmosphere and temperature distribution owing to enclosed non-turbulent ventilation system in working chamber

Standard equipment

Works calibration certificate	incl. works calibration certificate for +37°C
Scope of delivery	chip-card (STERICard) for sterilisation of working chamber with fixed values (4 hours/160°C), without removal of sensors and mountings
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
Internals	3 perforated stainless steel shelves and 1 stainless steel water tray

Stainless steel interior

Interior	easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing, material 1.4301 (ASTM 304), hermetically welded
Volume	153 l
Dimensions W x H x D in mm	$w_{(A)} \times h_{(B)} \times d_{(C)}$: 480 x 640 x 500 mm
Max. number of grids/shelves	6
Max. loading per grid/shelf	0 kg

Textured stainless steel casing

Dimensions	$w_{(D)} \times h_{(E)} \times d_{(F)}$: 630 x 938 x 650 mm
Housing	rear zinc-plated steel

Electrical data

Voltage	230 V, 50/60 Hz
Electrical load	approx. 1500 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 1300 x 800 mm
Net weight	approx. 80 kg
Gross weight carton	approx. 106 kg

Standard units are safety-approved and bear the test marks

