



memmert
Experts in Thermostatics

Incubators

PERFECTLY COORDINATED. PERFECTLY CONTROLLED.



INCUBATOR I

CO₂ INCUBATOR INCOmed

COMPRESSOR-COOLED INCUBATOR ICP

PELTIER COOLED INCUBATOR IPP

STORAGE COOLED INCUBATOR IPS

100% ATMOSAFE. MADE IN GERMANY.

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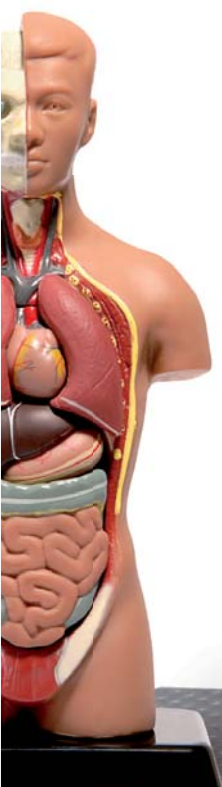


GENERATION 2012

Incubator IN and IF with SingleDISPLAY
Incubator INplus and IFplus with TwinDISPLAY
Natural convection or forced air circulation
AtmoCONTROL software

Model sizes:
30 / 55 / 75 / 110 / 160 / 260 / 450 / 750
+30 °C to +80 °C

INCUBATOR I Memmert incubators I are at home in the world of research, medicine, pharmaceuticals and food technology. Organic chamber loads require gentle heating. For this reason, the heating and control system are especially optimised for low temperatures of up to +80 °C. To prevent temperature overshoots, temperature is increased within a very narrow control range and kept exactly at the setpoint value. As required, the models IN with natural convection or IF with forced air circulation are available.



Optionen	30	55	75	110	160	260	450	750
Interior lighting (up to size 260: 15 W, sizes 450/750: 2 x 15 W)								R0
Interior socket can only be ordered with limited temperature range up to max. +70 °C, ampacity 230 V/2.2 A, can be switched off with the On/Off switch, cannot be switched individually								R3
Entry port, 23 mm clear diameter, for introducing connections at the side, can be closed by flap and silicone stopper, standard positions								F0 F1 F2 F3
								left centre/centre left centre top right centre/centre right centre top
Other port, 23 mm clear diameter, can be closed by flap, in special positions (please, state location)								left right rear F4 F5 F6
Other port, 14 mm clear diameter, can be closed by flap, in special positions in the back wall (please, state location)								D6
Other port, 38 mm clear diameter, can be closed by flap, in special positions in the back wall (please, state location)								F7
Other port, 57 mm clear diameter, in special positions in the back wall (please, state location)								F8
Other port, 100 mm clear diameter, can be closed by flap, in special positions in the back wall (please, state location)								F9
Other port, 120 mm clear diameter, can be closed by flap, in special positions in the back wall (please, state location)								D7
4 – 20 mA current loop interface (0 to 90 °C \pm 4 to 20 mA)								V3 V6
								Temperature controller, actual value Temperature of a Pt100 sensor positioned flexibly in chamber (max. 3)
Fan speed monitoring – optional only for IFplus								V4
Works calibration certificate for 3 temperatures: +37 °C, +52 °C, +70 °C								D00126

Accessories	30	55	75	110	160	260	450	750
Stainless steel grids (standard equipment)	E28884	E20164		E20165		E28891		E20182
Perforated stainless steel shelves	B29727	B03916		B00325		B29725		B00328
Stainless steel tray (non-perforated) 15 mm rim (may affect the temperature distribution)	E02070	E02072		E02073		E29726		E02075
Bottom drip tray (may affect the temperature distribution)	B04356	B04358		B04359		B29722		B04362
Wall bracket (tubular frame for wall mounting)	B29755	B29756	B29757	B29758	B29759	–	–	–
Guarantee extension by 1 year				GA1Q5			GA2Q5	

SingleDISPLAY

ControlCOCKPIT with one TFT display

AVAILABLE APPLIANCES

UN / UF / IN / IF / SN / SF / IPP / IPS

Available parameters on the ControlCOCKPIT: Temperature (Celsius or Fahrenheit), fan speed, exhaust air flap position, programme time

One temperature sensor Pt100 DIN class A in a 4-wire circuit

Ethernet interface on the rear of the appliance for reading out the protocol log

Double overtemperature protection: Electronic temperature monitoring with freely adjustable monitoring temperature, mechanical temperature limiter TB acc. to DIN 12 880.

TwinDISPLAY

ControlCOCKPIT with two TFT displays

AVAILABLE APPLIANCES

UNplus / UFplus / UNpa / INplus / IFplus / SNplus / SFplus
IPPplus / ICP / HPP / ICH

Available parameters on the ControlCOCKPIT: Temperature (Celsius or Fahrenheit), fan speed, exhaust air flap position, programme time, relative humidity, illumination, CO₂

Two Pt100 sensors DIN class A in a 4-wire circuit for mutual monitoring, taking over functions in case of an error

HeatBALANCE function for application specific adjustment of heat output distribution (balance) between the upper and lower heating groups in an adjustment range between -50 % and + 50 %

ControlCOCKPIT with USB port for uploading programmes, reading out protocol logs, activating the User-ID function

Displaying of already logged protocol data on the ControlCOCKPIT (max 10,000 values correspond to approx. 1 week)

Ethernet interface on the rear of the appliance for reading out the protocol log and for uploading and implementing programmes and for online logging

Multiple overtemperature protection: Electronic temperature monitoring TWW/TWB (protection class 3.1 or 2 resp. 3.3 for units with active cooling) and mechanical temperature limiter TB (protection class 1) acc. to DIN 12 880, AutoSAFETY automatically adjusts to the set value within a freely adjustable tolerance range. Setting individual MIN / MAX values for over/undertemperature alarm and also for all other parameters such as relative humidity, CO₂.

Structured stainless steel housing, rear of zinc-plated steel, ControlCOCKPIT for operation and adjustment of all parameters

High-temperature connectors on the rear of the appliance for single-phase power connection according to country specific systems and IEC standards

Internal data logger with a storage capacity of at least 10 years

German, English, French, Spanish language settings available on the ControlCOCKPIT

Digital timer, adjustable between 1 minute and 99 days, 23 hours

The SetpointWAIT function guarantees that the process time does not start until the set temperature is reached at all measuring points – optional for temperature values recorded by the freely positionable Pt100 sensors inside the chamber.

Adjustment of three calibration values for temperature and additional appliance specific parameters directly at the ControlCOCKPIT (e. g. relative humidity)