



CO₂ Incubator - 'ICO' Series

ICO CO₂ Incubator – The perfect environment for superior cell growth.

The Memmert ICO CO₂ incubator is designed to provide stable, homogeneous cultivation conditions for delicate cell cultures across research, development and clinical applications.

Precise temperature control, active humidification and dehumidification plus optimised airflow management ensure condensation-free stability inside the working chamber at 37 °C and 95 % RH.

Standard Equipment

Interior: Stainless steel, material 1.4301 (ASTM 304), deep-drawn, seamlessly welded.

Internals: Perforated stainless steel shelves (size 50 - 105 : 1, sizes 180 - 240 : 2); and 1 stainless steel water dish (all sizes)

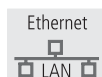
Housing: Textured stainless steel, rear zinc-plated steel, with touchscreen; fully insulated & heated stainless steel door and inner glass door

Control Unit: 6.86" IPS touch display (480 x 1280 Pixels) with multi-touch function for graphical display of actual set point values and parameter curves.

Connection: Mains cable with plug (German type)

Installation: 4 adjustable feet

Interfaces:



Key Features

- 01** Stainless steel interior and exterior
- 02** Heating from 6 sides including stainless steel door
- 02** Inner glass door
- 03** Condensation-free at 37 °C and 95 % rH
- 04** Standard sterilisation programme without removing sensors (180°C/60 minutes)
- 05** Precise control of temperature, humidity, CO₂ & optional O₂ content
- 06** Calibration facility for temperature, CO₂ and humidity on the controller
- 07** ACT label certified
- 08** Door open detection

CO2 Incubator - 'ICO' (56 to 243 Liters)

Model sizes/Description				50	105	180	240
Stainless steel interior	Volume	l		56	108	177	243
	Width	(A)	mm	400	560	600	
	Height	(B)	mm	425	480	590	810
	Depth	(C)	mm	330	400	500	
	Fan cover (chamber)	mm	37.5				
	Maximum number of inserts	number	4	5	6	9	
	Maximum load per tray	kg	15				
	Max. loading of chamber	kg	50	75	90	135	
Textured stainless steel exterior	Width	(D)	mm	548	708	748	
	Height	(E)	mm	628	683	793	1013
	Depth	(F)	mm	519	589	689	
	Door handle dimensions	mm	50				
Temperature	Working temperature range	°C	at least 5 above room temperature to +50				
	Setting temperature range	°C	+20 to +50				
	Setting accuracy	°C	0.1				
	Temperature fluctuations with time at +37 °C	K	± 0.1				
	Temperature variation in chamber at +37 °C	K	± 0.3				
Humidity	Setting range active humidity control (with option K7)	% rh	40 to 98 and rh-Off				
	Setting accuracy	% rh	0.1				
CO ₂ /	Variation in time CO ₂	% CO ₂	± 0.2				
	Setting range CO ₂	% CO ₂	0 to 20				
	Setting accuracy O ₂	% O ₂	0.1				
	Setting range O ₂	% O ₂	1 to 20				
Further data	Electrical load at 230 V, 50/60 Hz	W	1200	1450	1550	1750	
	Electrical load at 115 V, 50/60 Hz	W	1200	1450	1550	1750	
Standard equipment	Factory calibration certificate		+37 °C, 5 %CO ₂				
	Factory calibration certificate (temperature, humidity, CO ₂ , O ₂) with O ₂ module (T6)		+37 °C, 5 %CO ₂ , 90 %rh, 10 %O ₂				
	Type of shelf		Stainless steel perforated shelf				
	Number of shelves		1		2		
	Standard options		Door-open detection				
	Standard accessories		CO ₂ connection set, hose with connection coupling and hose clamp				
			Water dish Water tank including connecting hose Preset sterilisation programme: 60 minutes at +180 °C (without removing the sensors)				
Packing data	Net weight	kg	53	70	98	113	
	Gross weight (packed in carton)	kg	66	85	116	132	
	Width	mm	655	825	925		
	Height	mm	893	967	1072	1277	
	Depth	mm	755	815	854		
Order No. CO ₂ Incubators				ICO50	ICO105	ICO180	ICO240



Accessories

- 01

Perforated stainless steel shelf
- 04

CO₂ pressure reducing valve
- 02

HEPA Filter for chamber
- 05

N₂ pressure reducing valve
- 03

Automatic chamber sterilisation
- 06

Additional water dish

Options

- 01

Auto switch-over of gas cylinders
- 02

RFID
- 03

Active Humidity control
- 04

Control of O₂ concentration by N₂ inlet (N, connection set incl.)

Product range	Ovens Incubators Sterilisers	Vacuum Ovens Peltier Cooled Incubators CO ₂ Incubators	Constant Climate Chambers Humidity Chambers Stability Test Chambers	Water Baths Ultra Low Temperature Freezers Pass Through Ovens
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