IKA

designed for scientists



INC 125 FC digital Incubator cooled

/// Data Sheet

The INC 125 FC digital cooling incubator is ideal for microbiological applications from -5 to 100 °C thanks to its precise temperature control.
Thanks to powerful compressor cooling technology and the use of the natural refrigerant R290, the incubator is particularly resource and environmentally friendly.
With a capacity of 125 liters, INC 125 FC digital offers the largest volume in its class. Up to six grid shelves can be accommodated simultaneously in the spacious chamber.

Hygienic working conditions

• Decontamination mode (100 °C) for disinfection and prevention of cross-contamination
• Easy cleaning of the interior thanks to rounded corners and flat surfaces made of corrosion-resistant material AISI 304
• Defrosting function with continuous water drainage through drain opening

Optimal temperature control
• Wide temperature range: -5 °C to 100 °C
• Excellent temperature stability and uniformity of +/- 0.2 K resp. 0.3 K
• Internal air circulation can be influenced by electronically adjustable fan speed (0-100%)
• Excellent temperature management and optimized energy consumption thanks to very good insulation of the inner chamber
• Additional inner glass door for observation of samples without temperature loss

Simple and intuitive operation
• Very large LCD display for easy readability
• The functions counter, timer and temperature-controlled timer ensure reproducible test conditions

Versatile accessories
• Up to two IKA incubators can be stacked. An incubator shaker (INC FS 125) or incubator (INC 125 F) can be placed on top of the INC 125 FC (appropriate accessories required).
• Door lock (optional accessory)
• Different shelves available

Services
• Door hinge on the right, can be changed on request
• Installation and Operation Qualification (IQ/OQ) available on request

Scope of delivery
•INC 125 FC digital Incubator cooled
•IO T 1.00 Wire grid tray, chrome plated (2 pcs.)
•Tilt protection / assembly material (2 pcs.)
•USB A-B cable
•Calibration certificate at 37 °C & 0 °C
•Hose adapter (for hoses Ø 9-11 mm)

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Technical Data

Cooling agent	R290
Cooling agent quantity [g]	55
Cooling agent pressure max. [bar]	21
Heat output [W]	750
Working temperature [°C]	-5 - 100
Adjustment and display resolution [K]	0.1
Temperature stability (37°C @22°C) [K]	±0.2
Temperature homogeneity (37°C @22°C) [K]	±0.3
Temperature heat up time (37°C @22°C) [min]	8
Temperature door recovery (37°C @22°C) [min]	4
Temperature display	yes
Display	LCD
Timer	yes
Timer display	LCD
Time setting max. [d]	100
Number of trays max.	6
Load for one tray max. [kg]	20
Operating area inner chamber [mm]	550 x 550 x 415
Total volume inner chamber [l]	125
Thermal safety devices according DIN 12880	TB class 1
Set-point limiter with safety shutdown	yes
Inner glasdoor	yes
Temperature sensor control	PT 100 4 wire
Defrost function	yes
Cleaning thermal decontamination (100°C)	yes
Power consumption at 37°C [Wh/h]	79
Drain tube inner diameter [mm]	10
Noise level [dB(A)]	51
Dimensions (W x H x D) [mm]	700 x 1000 x 635
Weight [kg]	80
Permissible ambient temperature [°C]	15 - 32
Permissible relative humidity [%]	70
Protection class according to DIN EN 60529	IP 20
USB interface	USB-B
Voltage [V]	220 - 240
Frequency [Hz]	50/60
Power input [W]	950
Power input max. [W]	1000
Fuse	2x T6.3A 250V