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designed for scientists



ICC control eco 8

/// Data Sheet

IKA facilitates the configuration of your temperature control system by offering “ready for connection“ packages with all necessary accessories.

Package includes
- ICC control Compact Immersion Circulator
- IB 8 eco Plastic bath (size S)
- BS.ICC Small bridge

total: 320 x 335 x 349 mm
bath opening: 188 x 105 mm *
max. bath opening: 227 x 118 mm **
Immersion depth. 85 mm–125 mm

*Dimensions to set plate at the bottom of bath.
** Maximum bath opening dimensions at the upper edge of the bath

Max. temperature in the plastic bath (“eco” series): 100°C (water only)

Technical data relates to the temperature control instrument included in the package

Scope of delivery
•ICC control eco 8
•ICC control
•IB 8 eco
•BS.ICC Small bridge

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Technical Data

Appliance type	Compact immersion circulators
Class designation acc. DIN 12876	III
Identification according to DIN 12876	FL
Heat output [W]	2000
Working temperature [°C]	room temp. +10K @1000rpm - 150
Operating temperature min. (with external cooling) [°C]	-20
Temperature display	yes
Temperature control	PID
Working temperature sensor	PT 100
Safety temperature sensor	PT1000
Working temperature display	TFT
Safety temperature display	TFT
Temperature stability DIN 12876 [K]	±0.01
Connection for ext. temperature sensor	PT 100
Display resolution [K]	0.01
Display for operation with ext. sensor	yes
Set temperature resolution [K]	0.1
Warning function optical	yes
Warning function acoustic	yes
Warning function excess temperature	yes
Adjustable safety circuit [°C]	0 - 160
Sub-level protection	yes
Over-level protection	yes
Pump type	Pressure- / suction pump
Pump capacity adjustable	yes
Pump pressure max. (0 liters discharge flow) [bar]	0.3
Pressure pump (suction side) (0 liter flow) [bar]	0.2
Flow rate max. (0 bar back pressure) [l/min]	18
Bath depth min. [mm]	150
Calibration option	yes
Appliance fastener	clamp
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	145 x 340 x 200
Weight [kg]	10.56
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
USB interface	Micro-USB
Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	2100