IKA

designed for scientists



ICC basic eco 18

/// Data Sheet

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

Package includes
- ICC basic Compact Immersion Circulator
- IB 18 eco Plastic bath (size L)
- BL.ICC Large bridge

total: 338 x 584 x 349 mm
bath opening: 245 x 305 mm *
max. bath opening: 286 x 325 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 basic eco 18
•ICC basic
•IB 18 eco
•BL.ICC Large bridge

IKA

designed for scientists

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	LED
Safety temperature display	LED
Temperature stability DIN 12876 [K]	±0.02
Display resolution [K]	0.1
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]	11.93
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