

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

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Subject to technical changes

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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



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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 | PT 100 |
| 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 | yes |
| Voltage [V] | 230 / 115 |
| Frequency [Hz] | 50/60 |
| Power input [W] | 2100 |