



designed for scientists



## ICC basic 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 basic compact immersion circulator
- IB 8 eco plastic bath (size S)
- BS.ICC small bridge



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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



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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]   | 10.5                           |
| 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                           |





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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.