

# IKA

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

[www.ika.com](http://www.ika.com)

Subject to technical changes



IKAworlwide



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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                            |
| Frequency [Hz]  | 50/60                          |
| Power input [W]   | 2100                           |