

# IKA

designed for scientists



## ICC 100 lite eco 18

/// Data Sheet

The compact immersion circulators of the lite series are powerful and of high quality, with a focus on essential basic functions, excellent performance and efficient operation. ICC 100 lite is suitable for tempering liquids up to 100 °C and internal circulation.

To make configuration of your temperature control system as convenient as possible, IKA offers “ready-to-connect” packages with all the necessary accessories.

Package includes:



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ICC 100 lite Compact immersion circulator

IB 18 eco Plastic bath (size L)

BL.ICC lite Bath bridge, big

Max. temperature in the plastic bath (eco): 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. - 100              |
| Operating temperature min. (with external cooling) [°C] | -25                           |
| Temperature display                                     | yes                           |
| Temperature control                                     | PID                           |
| Working temperature sensor                              | PT1000                        |
| Safety temperature sensor                               | PT1000                        |
| Working temperature display                             | LED                           |
| Safety temperature display                              | LED                           |
| Temperature stability DIN 12876 [K]                     | ±0.05                         |
| Display resolution [K]                                  | 0.1                           |
| Set temperature resolution [K]                          | ±0.1                          |
| Warning function optical                                | yes                           |
| Warning function acoustic                               | yes                           |
| Adjustable safety circuit [°C]                          | 0 - 110                       |
| Sub-level protection                                    | yes                           |
| 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]                             | 135 x 303 x 180               |
| Weight [kg]   | 4.2                           |
| 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                          |