

# IKA

designed for scientists



## ICC basic

/// Data Sheet

Compact immersion circulator ICC basic for tempering of liquids up to 150 °C. Suitable to use in open or covered bath vessels.

The integrated pressure/ suction pump allows ICC basic to be used for internal and external applications. Just connect the optional pump set. ICC basic also has an optional cooling coil that allows to work close to ambient temperatures. The ICC basic circulator is first in its class with an integrated carrying handle that allows for comfortable transport and safe storage thanks to its clever stand.

- Temperature range: RT - 150 °C



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- Temperature stability:  $\pm 0.02$  K
- Powerful, speed-controlled pressure/suction pump
- Holding clamp for attaching the circulator to a bath is included
- Convenient carrying handle und integrated brackets
- Large easy to read LED display for pump speed and temperature
- Push and turn buttons for intuitive menu navigation
- Adjustable safety circuit
- Visual and acoustic safety warnings
- USB / RS 232 interface for PC control and documentation using labworldsoft®, as well as for online firmware updates

#### Scope of delivery

- Screwdriver
- USB Cable - USB A to Micro-B, 2 m



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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	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
Range of universal clamp [mm]	0 - 40
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]	3.75
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