Data Sheet
Heating/Tempering / Thermostats

IC basic

The IC basic immersion circulator is equipped with a flexible bath-bridge. The unit is designed for tempering liquids in open or covered water baths up to 200 °C. Thanks to the integrated powerful pressure/suction pump, the IC immersion circulator can be used for internal and external applications. A cooling coil can be connected to the unit to temper close to ambient temperatures. All IKA Thermostats are UL certified and conform to the highest safety classification III (FL) for use with flammable liquids according to DIN 12876. The IC basic immersion circulators allow for short heat-up times and have a temperature stability of •± 0.02 K.

- Temperature range: RT - 200 °C
- Telescopic stainless steel bath-bridge for connection to water baths with different volumes
- Adjustable safety circuit
- Powerful pressure/suction pump
- Large easy-to-read LED display for: pump speed and temperature
- Push and turn buttons for intuitive menu navigation
- Connection port for external PT 100 temperature probe
- Optical and acoustic warning functions
- USB / RS 232 interface for pc control, documentation using labworldsoft® and for online firmware updates
- Integrated connections M16x1 for external applications

Accessories: AQ.1 , H.PVC.8, H.PVC.12, H.SI.8, H.SI.12, H.PTFE.8, H.PTFE.12, ISO.8, ISO.12, CM.IC, CL.IC, CC1, IB eco 18, IB pro 20, IB pro 12, PC 1.1 Cable, PT 100.30

Technical Data	
Appliance type	immersion thermostat
Classification according to DIN 12876	III
Identification according to DIN 12876	FL
Heat output [W]	2500
Operating temperature min. (with external cooling) [°C]	-20
Operating temperature max. [°C]	200
Working temperature min. [°C]	room temp. +10K @1000rpm
Working temperature max. [°C]	200
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
Connection for ext. temperature sensor	PT 100
Display resolution [±°C]	0.1
Display for operation with ext. sensor	yes
Heat control accuracy [±K]	0.1
Warning function optical	yes
Warning function acoustic	yes
Warning function excess temperature	yes
Warning function insufficient temperature	no
Adjustable safety circuit min. [°C]	0
Adjustable safety circuit max. [°C]	260
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]	0.5
Pressure pump (suction side) (0 liter flow) [bar]	0.3
Pump pressure max. (0 bar back pressure) [l/min]	20
Pump connection	M16x1
Bath depth min. [mm]	150
Calibration option	yes
Appliance fastener	Bridge
Range of universal clamp min. [mm]	260
Range of universal clamp max. [mm]	510
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	285 x 313 x 291
Weight [kg]	8.5
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]	2650
Ident. No.	**0003861000**

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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