



designed for scientists



IC control

/// Data Sheet

The IC control immersion circulator has an extended temperature range for tempering fluids in open and covered water baths up to 250 °C. The control circulator has a Wireless Controller (WiCo). The TFT display shows all relevant process parameters. The internal temperature regulation can be switched to external temperature with just one key. Push and turn buttons allow for intuitive menu navigation. The menu comes in different languages. With the innovative WiCo Wireless Controller, the unit can be operated from a distance of up to 10 meters/3 feet. All IKA baths conform to the highest safety classification III (FL) for use with flammable liquids according to DIN 12876. IC control immersion circulators allow for quick heat up times and stable temperature conditions. With integrated connections (M16x1) the device is suitable for external applications..



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- Temperature range: RT – 250 °C
- Temperature stability: ± 0.01 K
- Stainless steel bath bridge can be combined with water baths of different volumes
- Wireless control enables safe operation, e.g. outside of a closed fume hood
- Powerful pressure/suction pump
- Adjustable safety circuit
- Large easy to read TFT display for temperature, pump speed, liquid level and safety temperature
- Electronic timer function: 0 – 99 h 59 min
- Visual and acoustic safety warnings
- Connection of a magnetic valve possible
- USB / RS 232 interface for PC control, documentation using labworldsoft®, as well as updating the device software through our website





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Technical Data

Appliance type	Immersion thermostat
Class designation acc. DIN 12876	III
Identification according to DIN 12876	FL
Heat output [W]	2500
Working temperature [°C]	room temp. +10K @1000rpm - 250
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	TFT
Safety temperature display	TFT
Temperature stability DIN 12876 [±K]	0.01
Connection for ext. temperature sensor	PT 100
Display resolution [K]	0.01
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 - 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]	0.61
Pressure pump (suction side) (0 liter flow) [bar]	0.45
Flow rate max. (0 bar back pressure) [l/min]	31
Pump connection	M16x1
Cooling coil connection	NW 8
Bath depth min. [mm]	150
Calibration option	yes
Appliance fastener	Bridge
Range of universal clamp [mm]	280 - 375
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]	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 / 100 - 115
Frequency [Hz]	50/60
Power input [W]	2650