

# IKA

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## IC basic pro 12 c

/// Data Sheet

IKA facilitates the configuration of your temperature control system by offering “ready for connection” packages including all required accessories.

Package includes

- IC basic immersion circulator
- IB 12 pro stainless steel bath (size M)
- PT 100.30 temperature sensor
- CC1 cooling coil

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

Subject to technical changes



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- CM.IC medium cover
- BS.IC small bridge

total: 354 x 461 x 359 mm

bath opening: 255 x 80 mm \*

max. bath opening: 292 x 105 mm \*\*

Immersion depth. 95 mm–135 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 stainless steel bath ("pro" series): 200 °C

Technical data relates to the temperature control instrument included in the package



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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	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
Connection for ext. temperature sensor	PT 100
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 - 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
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
Multi-Interface	yes
Alarm output (potential-free contact) max. [V AC/DC]	30
Alarm output (potential-free contact) max. [A]	1
Solenoid valve output [VDC]	24
Solenoid valve output max. [A]	0.8
Standby input [VDC]	5
Dimensions (W x H x D) [mm]	285 x 313 x 291
Weight [kg]	10
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



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Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	2650

