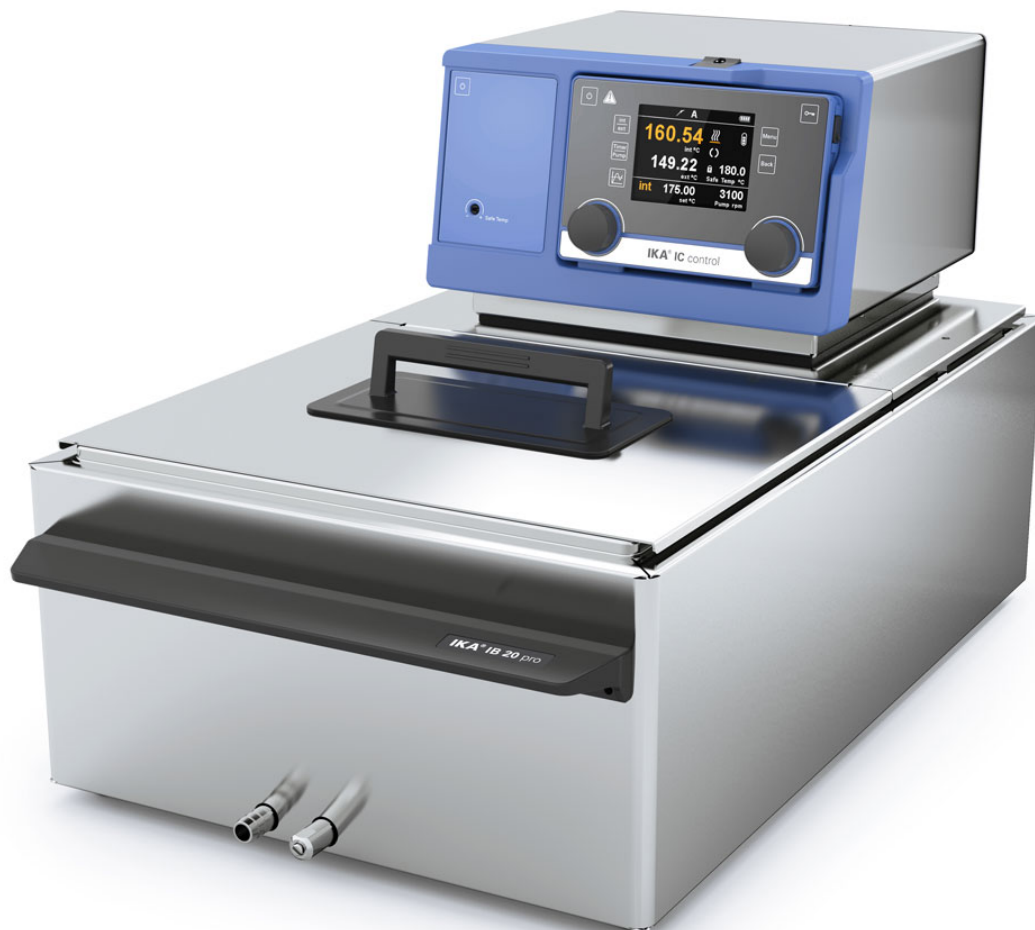




designed for scientists



IC control pro 20 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 control immersion circulator
- IB 20 pro stainless steel bath (size L)
- PT 100.30 temperature sensor
- CC1 cooling coil (already included in IC control device)



designed for scientists

- CL.IC large cover
- BS.IC small bridge

total: 354 x 641 x 359 mm

bath opening: 255 x 262 mm *

max. bath opening: 292 x 278 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



designed for scientists

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	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]	0.7
Pressure pump (suction side) (0 liter flow) [bar]	0.4
Flow rate max. (0 bar back pressure) [l/min]	26
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
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]	16.56
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes



designed for scientists

USB interface	Micro-USB
Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	2650