

Термостаты циркуляционные с ванной CARL ROTH

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Circulating bath thermostats



Circulating thermostat E5 series

Option for temperature control in the stainless steel bath. Small, external, sealed vessels can be temperature controlled using pressure pumps.

Delivery incl. bath cover, pump outlets and cooling coil.

Model: E5 standard, up to 100 °C

- For working temperatures up to **+100 °C**
- Programmable timer function (up to 99.99 mins)
- LCD display with 0.1 °C display resolution
- Actual or setpoint value display (call up setpoint value display by pressing a button, actual value is permanently visible)
- Adjustable button locking
- Visual and/or audible limit alarm
- Adjustable setpoint value limit and alarm circuit
- Excess temperature and sub-level protection for non-flammable liquids (FL)

Technical specifications:

Art. No.	KA69.1	KA70.1	KA71.1	KA72.1
Type	E5-B4	E5-B6	E5-B12	E5-B16
Operating temperature	+25 to +100 °C			
Temperature constancy	±0,1 K			
Display resolution	0,1 °C			
Heating output	1000 W			
Max. pump pressure	120 mbar			
Max. flow	5 l/min			
Bath volume	4 l	6 l	12 l	16 l
Bath opening	115 x 115 mm	230 x 75 mm	230 x 270 mm	
Inner depth	150 mm			200 mm

Type	Art. No.	Pack Qty.	
E5-B4	KA69.1	1 unit(s)	
E5-B6	KA70.1	1 unit(s)	
E5-B12	KA71.1	1 unit(s)	
E5-B16	KA72.1	1 unit(s)	

Model: E5s, up to 150 °C

- For working temperatures up to **+150 °C**
- Programmable timer function (up to 99.99 mins)
- LCD display with 0.1 °C display resolution
- Actual or setpoint value display (call up setpoint value display by pressing a button, actual value is permanently visible)
- Adjustable button locking
- Visual and/or audible limit alarm
- Adjustable setpoint value limit and alarm circuit
- Excess temperature and sub-level protection for non-flammable liquids (FL)

Technical specifications:

Art. No.	KA73.1	KA74.1	KA75.1	KA76.1	KA77.1
Type	E5s-B4	E5s-B6	E5s-B12	E5s-B16	E5s-B22
Operating temperature	+25 to +150 °C				
Temperature constancy	±0,1 K				
Display resolution	0,1 °C				
Heating output	1800 W				
Max. pump pressure	120 mbar				
Max. flow	5 l/min				
Bath volume	4 l	6 l	12 l	16 l	22 l
Bath opening	115 x 115 mm	230 x 75 mm	230 x 270 mm		
Inner depth	150 mm			200 mm	250 mm

Type	Art. No.	Pack Qty.	
E5s-B4	KA73.1	1 unit(s)	
E5s-B6	KA74.1	1 unit(s)	
E5s-B12	KA75.1	1 unit(s)	
E5s-B16	KA76.1	1 unit(s)	
E5s-B22	KA77.1	1 unit(s)	

Circulating bath thermostats



Bath/circulation thermostat CORIO™ CD-B series

Julabo.

For internal standard applications. Flexible use, e.g. when changing bath tanks.

- External pump connections each with 2 hose connectors for hoses with inside Ø of 8 and 12 mm
- Simple changeover between internal and external circulation
- USB port
- Integrated drain screw (except in model CD-B5)
- III (FL) = flammable liquids

Technical specifications:

Art. No.	CXY8.1	CXY9.1	CYA0.1
Type	CORIO™ CD-B5	CORIO™ CD-B13	CORIO™ CD-B27
Operating temperature	+20 to +150 °C		
Temperature constancy	±0,03 K		
Display resolution	0,1 °C		
Setting resolution	0,1 °C		
Heating output	2000 W		
Max. pump pressure	350 mbar		
Max. flow	15 l/min		
Bath volume	3–5 l	9–13 l	17–27 l
Bath opening	150 x 150 mm	300 x 180 mm	300 x 350 mm
Inner depth	150 mm		200 mm
Outer width	230 mm	380 mm	
Outer depth	380 mm	400 mm	580 mm
Outer height	410 mm	420 mm	470 mm
Safety class	III (FL)		

Delivery incl. stainless steel bath tub. **Without** bath cover (please order separately).

Pic.	Type	Art. No.	Pack Qty.
	CORIO™ CD-B5	CXY8.1	1 unit(s)
(1)	CORIO™ CD-B13	CXY9.1	1 unit(s)
(2)	CORIO™ CD-B27	CYA0.1	1 unit(s)

Accessories bath cover for CORIO™ CD-B series

Julabo.

Designation	Art. No.	Pack Qty.
Bath cover for CORIO™ CD-B5	CYA2.1	1 unit(s)
Bath cover for CORIO™ CD-B13	CYA3.1	1 unit(s)
Bath cover for CORIO™ CD-B27	CYA4.1	1 unit(s)

Accessories water cooling coil

Julabo.

For CORIO™ CD series circulators. Suitable for work at near ambient temperature. Integrated cooling coil for counter-cooling with cooling water.

Designation	Art. No.	Pack Qty.
Water cooling coil	CYA1.1	1 unit(s)



Heating thermostat E series

Lauda.

- With bath tubs suitable for up to 200 °C

- Stainless steel inner basin
- Outer shell made of powder-coated sheet steel
- LCD display with 0.01 °C display resolution
- Operation by means of cursor keys and softkeys
- Simultaneous display of setpoint and actual values
- USB port
- III (FL) = flammable liquids
- With cooling coil

Technical specifications:

Art. No.	LX90.1	LX89.1
Type	E 20 S	E 4 S
Operating temperature	+20 to +200 °C	
Temperature constancy	±0,01 K	
Display resolution	0,01 °C	
Heating output	2000 W	
Max. pump pressure	550 mbar	
Max. flow	22 l/min	
Bath volume	19 l	3,5 l
Bath opening	300 x 365 mm	135 x 105 mm
Inner depth	150 mm	
Safety class	III (FL)	

Model: Circulating thermostat E 4 S

- **For temperature control of external closed circuits and with the option for simultaneous temperature control in the thermostatic bath**
- Pump connections with 13 mm plastic hose connector as standard
- **Delivery incl.** bath cover

Type	Art. No.	Pack Qty.
E 4 S	LX89.1	1 unit(s)

Model: Heating thermostat E 20 S

- **For internal temperature control of liquids in a bath tank**
- **Delivery without** bath cover (please order separately).

Type	Art. No.	Pack Qty.
E 20 S	LX90.1	1 unit(s)

Accessories bath cover for heating thermostat E 20 S

Lauda.

Designation	Art. No.	Pack Qty.
Bath cover, made of stainless steel, two-part for E 20 S	LX91.1	1 unit(s)



Circulating bath thermostats



Circulating thermostat with stainless steel bath

Thermo.

For temperature control of external sealed circuits, for example, density measuring instruments, viscosity meters, photometers, refractometers, etc. Simultaneous temperature control possible in the thermostatic bath.

- Simultaneous display of setpoint and actual temperature
- Display resolution 0.1 or 0.01 °C can be selected
- Stainless-steel bath for oil baths
- Thermostat heads can be turned invariably in 90° increments on the bath
- Pumps with 2-stage turbulence reduction system
- Drain opening (on the front)
- Bath with handles
- Hose connectors for tubes with 8 and 12 mm inside Ø
- A water cooling coil is also available if required (please order separately)
- III (FL) = flammable liquids

Technical specifications:

Art. No.	LP64.1	LP65.1
Type	SC 150-S13	SC 150-S21
Operating temperature	From +13 °C above room temperature to +150 °C	
Temperature constancy	±0,02 K	
Display resolution	0,1/0,01 °C	
Heating output	2000 W	
Max. pump pressure	300 mbar	
Max. flow	17 l/min	
Bath volume	8–13 l	9–21 l
Bath opening	239 x 110 mm	296 x 310 mm
Inner depth	200 mm	150 mm
Safety class	III (FL)	

Delivery incl. circulation set for external circulation and bath cover.

Type	Art. No.	Pack Qty.	
SC 150-S13	LP64.1	1 unit(s)	
SC 150-S21	LP65.1	1 unit(s)	

Tap water cooling coils for SC 100-S14P, SC 100-S21P, SC 150-S13, SC 150-S21 and AC 200

Designation	Art. No.	Pack Qty.	
Water cooling coils for cooling. Can be connected to the water supply	LP55.1	1 unit(s)	



Bath/circulation thermostat CP series

Julabo.

Temperature control either in the internal bath or in a connected external application such as measuring devices, measuring cells and many more.

- Simple changeover between internal and external circulation
- LED temperature display
- Setting/display resolution 0.01 °C (to 99.99 °C), 0.1 °C (from 100 °C)
- Early warning system for low liquid level
- Continuously adjustable pressure pump
- With USB and RS-232 port
- With timer (range: 0 to 999 min)
- Protection against excess temperature and low liquid level for flammable liquids (FL), safety class III

Technical specifications:

Art. No.	KKE9.1	KKE8.1
Type	(2) CP-BC26	(1) CP-BC12
Operating temperature	+20 to +200 °C	
Temperature constancy	±0,02 K	
Heating output	2000 W	
Max. pump pressure	700 bar	
Max. flow	8–27 l/min	
Bath volume	19–26 l	8,5–12 l
Bath opening	260 x 350 mm	200 x 150 mm
Inner depth	200 mm	
Outer width	390 mm	330 mm
Outer depth	620 mm	490 mm
Outer height	480 mm	470 mm
Mains connection	200–230 V, 50/60 Hz	

Delivery incl. stainless steel bath tank with lid, draining tap, integrated cooling coil for counter-cooling and hose connectors suitable for hoses with ID 8 and 12 mm.

Type	Art. No.	Pack Qty.	
(2) CP-BC26	KKE9.1	1 unit(s)	
(1) CP-BC12	KKE8.1	1 unit(s)	

Circulating bath thermostats



Circulating thermostat PC300-S7

Thermo.

For temperature control in bath or external open and closed circuits.

- 8-language full text display and numerical input via 10 keys in large colour display
- Powerful pressure and suction pump for external open and closed applications
- Pump with 5-stage turbulence reduction system
- 5-ramp programming with 10 segments; options for ramp processing during operation
- Programmable application temperature alarm with signal that can be selected by the user (On/Off) or switch-off function
- Timer with real-time clock for critical applications
- USB port
- With stainless steel bath
- Thermostat heads can be turned invariably in 90° increments on the bath
- Drain orifice (on the front) and handles
- Hose connectors for tubes with 8 and 12 mm inside Ø
- III (FL) = flammable liquids

Technical specifications:

Art. No.	PE45.1
Type	PC300-S7
Operating temperature	+20 to +300 °C
Temperature constancy	±0,01 K
Heating output	3000 W
Max. pump pressure	560 mbar
Max. flow	24 l/min
Max. pump suction	380 mbar
Bath volume	7 l
Bath opening	239 x 110 mm
Inner depth	200 mm
Safety class	III (FL)

Delivery incl. circulation set for external circulation and bath cover.

Type	Art. No.	Pack Qty.	
PC300-S7	PE45.1	1 unit(s)	

Accessories water cooling coil for circulating bath thermostat PC300-S7

Thermo.

Attachable cooling coil for PC300-S7

Designation	Art. No.	Pack Qty.	
Attachable cooling coil for PC300-S7	PE47.1	1 unit(s)	



Recirculating coolers LAUDA LOOP

Lauda.

Applications: Temperature control for refractometers, polarimeters, electrophoresis chambers or small bioreactors.

- Refrigerant-free temperature control with Peltier technology
- Power-controlled fans
- 3-key operation with OLED display, display resolution 0.1 °C
- RS 232 interface

Technical specifications:

Art. No.	HHY7.1	HHY8.1
Type	Loop L 100	Loop L 250
Operating temperature	+4 to +80 °C	
Temperature constancy	±0,1 K	
Display resolution	0,1 °C	
Heating output	200 W	400 W
Cooling capacity	20 °C: 120 W	20 °C: 250 W
	10 °C: 60 W	10 °C: 130 W
Max. pump pressure	800 mbar	
Max. flow	2.6 l/min	
Bath volume	0.3 l	
Outer length	301 mm	368 mm
Outer width	175 mm	261 mm
Outer height	266 mm	312 mm
Weight	6,9 kg	11,9 kg
Mains connection	230 V, 50/60 Hz	

Delivery incl. pump connectors for hoses with ID 6.4 mm.

Type	Art. No.	Pack Qty.	
Loop L 100	HHY7.1	1 unit(s)	
Loop L 250	HHY8.1	1 unit(s)	

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