

Блок-термостаты CARL ROTH SBH200D, ТК 23

Технические характеристики

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Казахстан (772)734-952-31

Киргизия (996)312-96-26-47

Block thermostats



Accessories interchangeable block for single/dual block thermostats

Labnet International. Material: Aluminium.

For reaction vials

Dimensions: W 90 mm x D 76 mm x H 51 mm, can be used for Single/dual

Suitable for	Art. No.	Pack Qty.	
48 reaction vessels 0.2 ml	PY26.1	1 unit(s)	
24 reaction vessels 0.5 ml	PY27.1	1 unit(s)	
24 reaction vessels 1.5 ml	PY28.1	1 unit(s)	
20 reaction vessels 2.0 ml	PY29.1	1 unit(s)	

For sample tubes/vials

Dimensions: W 90 mm x D 76 mm x H 51 mm, can be used for Single/dual

Suitable for	Art. No.	Pack Qty.	
20 tubes Ø 12 mm	PY30.1	1 unit(s)	
12 tubes Ø 16 mm	PY31.1	1 unit(s)	
6 tubes Ø 20 mm	YC48.1	1 unit(s)	
6 tubes Ø 25 mm	YC49.1	1 unit(s)	

For centrifuge tubes (Falcon®)

Dimensions: W 90 mm x D 76 mm x H 83 mm, can be used for Single/dual

Suitable for	Art. No.	Pack Qty.	
12 centrifuge tubes 15 ml	PY32.1	1 unit(s)	
5 centrifuge tubes 50 ml	PY33.1	1 unit(s)	

For individual processing

Dimensions: W 90 mm x D 76 mm x H 51 mm, can be used for Single/dual

Type	Art. No.	Pack Qty.	
Without hole	YC50.1	1 unit(s)	

For 96-well PCR trays and microtiter plates

Please note: Only a PCR or microtiter plate block can be used in a dual-block thermostat (due to block dimensions).

Suitable for	Art. No.	Pack Qty.	
96-well PCR tray (with/without frame), can be used forSingle	PY34.1	1 unit(s)	
96-well PCR tray (with/without frame), can be used forDual	YC51.1	1 unit(s)	
Microtiter plate, can be used for Dual	YC52.1	1 unit(s)	



Block thermostats with touchscreen

Thermo.

For precision temperature control of reaction vials, test tubes and centrifuge vials of the type Falcon®.

- 4.3" touchscreen display with time and temperature display
- PID thermostat
- Integrated timer function
- 10 user-definable programs for up to 5 successive steps with different temperature and operating time
- Connectivity for external Pt 1000 temperature gauge (please order separately); in this case, temperature is controlled and displayed using the external sensor instead of the built-in temperature sensor

Technical specifications:

Art. No.	CTN8.1	CTN9.1	CTP0.1
Type	1-block thermostat	2-block thermostat	4-block thermostat
Max. exchange blocks	1	2	4
Operating temperature	From +5 °C above room temperature to +130 °C		
Temperature adjustment range	0 - +135 °C		
Accuracy	±0,1 K		
Resolution	0,1 °C		
Timer	0 to 99 h 59 min in 1 min increments or continuous operation		
Warm-up period	20 min (130 °C)		25 min (130 °C)
W x D x H	200 x 373 x 100 mm	200 x 403 x 100 mm	200 x 535 x 100 mm
Weight	3.4 kg	3.7 kg	5.1 kg
Mains connection	220-240 V, 50/60 Hz		

Delivery incl. removal rod for changing the blocks.

Without interchangeable blocks, please order separately.

Type	Max. exchange blocks	Art. No.	Pack Qty.	
1-block thermostat	1	CTN8.1	1 unit(s)	
2-block thermostat	2	CTN9.1	1 unit(s)	
4-block thermostat	4	CTP0.1	1 unit(s)	



Block thermostats



Accessories interchangeable block for touchscreen block thermostats

Thermo.

(1) For reaction vials

Dimensions W 124 mm x D 76 mm x H 39 mm

Suitable for	Art. No.	Pack Qty.	
28 reaction vessels 1.5 ml	CTP1.1	1 unit(s)	
28 reaction vessels 2.0 ml	CTP2.1	1 unit(s)	

(2) Combined interchangeable blocks for reaction vials

Dimensions W 124 mm x D 76 mm x H 39 mm

Suitable for	Art. No.	Pack Qty.	
30/20 reaction vessels 0.5/0.2 ml	CTP3.1	1 unit(s)	
18/10 Reaction vessels 1.5/2.0 ml	CTP4.1	1 unit(s)	

(3) For centrifuge tubes Falcon®

Dimensions W 124 mm x D 76 mm x H 113 mm

Suitable for	Art. No.	Pack Qty.	
15 x 15 ml centrifuge tubes	CTP5.1	1 unit(s)	
4 x 50 ml centrifuge tubes	CTP6.1	1 unit(s)	

(4) For sample tubes

Dimensions W 124 mm x D 76 mm x H 39 mm

Suitable for	Art. No.	Pack Qty.	
15 tubes Ø 16 mm	CTP7.1	1 unit(s)	
12 tubes Ø 18 mm	CTP8.1	1 unit(s)	
8 tubes Ø 20 mm	CTP9.1	1 unit(s)	

Accessories external temperature gauge for the touchscreen block thermostat

Thermo.

Designation	Art. No.	Pack Qty.	
External Pt 1000 temperature sensor	CTT0.1	1 unit(s)	



Block thermostat SBH200D

Stuart.

For precise heating of test tubes and reaction vials.

- Digital temperature display
- Uniform and stable temperature distribution

Technical specifications:

Art. No.	1A7H.1
Type	SBH200D
Max. exchange blocks	2
Operating temperature	8 °C above room temperature up to 200 °C
Accuracy	37 °C: ±0,1 °C; 130 °C: ±1 °C
Resolution	0,1 °C
W x D x H	235 x 280 x 115 mm
Weight	2,3 kg
Mains connection	230 V, 50/60 Hz

Delivery incl. removal rod for changing the blocks. Without interchangeable blocks (please order separately).

Type	Max. exchange blocks	Art. No.	Pack Qty.	
SBH200D	2	1A7H.1	1 unit(s)	



Accessories interchangeable block for SBH200D

Stuart.

Dimensions: W 75 x D 95 x H 50 mm.

For reaction vials

Suitable for	Art. No.	Pack Qty.	
20 reaction vials 1.5 ml	1A7K.1	1 unit(s)	
20 x reaction vials 2.0 ml	1A7L.1	1 unit(s)	

For sample tubes

Suitable for	Art. No.	Pack Qty.	
12 tubes Ø 16 mm tubes	1A7N.1	1 unit(s)	
8 tubes Ø 19 mm tubes	1A7P.1	1 unit(s)	
4 tubes Ø 30 mm tubes	1A7T.1	1 unit(s)	

For individual processing

Suitable for	Art. No.	Pack Qty.	
Without hole	1A7X.1	1 unit(s)	

Block thermostats



Cooling/heating block thermostat TK 23

Hettich Benelux.

For dry, clean and fast **cooling and heating**. For reaction vials, test tubes and microtiter plates.

Features:

- **Cooling function up to 16 °C below room temperature, heating up to +90 °C**
- Active counter cooling with Peltier elements
- Background LCD display for all set and actual values
- **Direct input of temperature curves**

Programmable control:

Programmable with 30 program steps for up to 9 different programs. Program parameters: Set temperature, process time (max. 99 h/continuous), expansion time (time in which the set temperature is to be reached), etc.

Technical specifications:

Art. No.	HA03.1
Type	Cooling/heating block thermostat TK 23
Max. exchange blocks	2
Operating temperature	From +16 °C below room temperature up to +90 °C
Temperature adjustment range	-10 - +90 °C
Accuracy	±0,1 K
Resolution	0,1 °C
Average heating rate	approx. 4 °C/min from +41 °C min
Medium cooling rate	approx. 5 °C/min below +20 °C min approx. 2 °C/min up to +20 °C min
W x D x H	220 x 345 x 195 mm

Delivery without interchangeable block, please order required interchangeable block separately.

Type	Max. exchange blocks	Art. No.	Pack Qty.	
Cooling/heating block thermostat TK 23	2	HA03.1	1 unit(s)	

For reaction vials

Suitable for	Art. No.	Pack Qty.	
96 reaction vessels 0.2 ml conical	AY21.1	1 unit(s)	
38 reaction vessels 0.5 ml conical	AY22.1	1 unit(s)	
24 reaction vessels 1.5 ml conical	AY23.1	1 unit(s)	
24 reaction vessels 2.0 ml cylindrical	AY24.1	1 unit(s)	
24 x 0.5 and 1.5 ml reaction vials (combined block)	ANN7.1	1 unit(s)	



Heating thermoshaker

Thermo.

For heating and mixing in 0.5/1.5 ml reaction vials, 50 ml test tubes or 96-well plates. With circular shaking action. Applications: Cultivating bacteria and yeast, enzyme reactions, denaturation of DNA, RNA and proteins, etc.

- VFD display
- PID controller for constant shaking action and precise temperature control
- Programmable with 10 programming steps for up to 7 different programs (program parameters: Nominal temperature, process time per programming step and shaking frequency)
- Two timer function modes (1 min to 99 h, 59 mins):
 - Process time does not begin to elapse until nominal temperature is reached
 - Timer starts immediately after setting the required process time
- Max. recommended shaking frequency:
 - Block for 96-well plates: 150 to 1500 rpm
 - Block for 0.5 ml vessels: 150 to 1200 rpm
 - Block for 1.5 ml vessels: 150 to 1200 rpm
 - Block for 50 ml tubes: 150 to 800 rpm

Technical specifications:

Art. No.	ATX7.1
Operating temperature	From +5 °C above room temperature to +100 °C
Temperature adjustment range	0 - +100 °C
Accuracy	±0,5 °C
Resolution	0,1 °C
Average heating rate	approx. 5 °C/min from +41 °C
Timer	1 min to 99 h, 59 mins/continuous operation
Shaking amplitude (stroke)	2 mm
W x D x H	249 x 325 x 120 mm
Weight	8,3 kg
Mains connection	230 V, 50/60 Hz

Delivery without interchangeable block, please order separately.

Version	Shaking motion	Max. exchange blocks	Art. No.	Pack Qty.	
Heating	rund	1	ATX7.1	1 unit(s)	

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