



# HETTICH BENELUX THERMOMIXERS AND THERMOBLOCKS





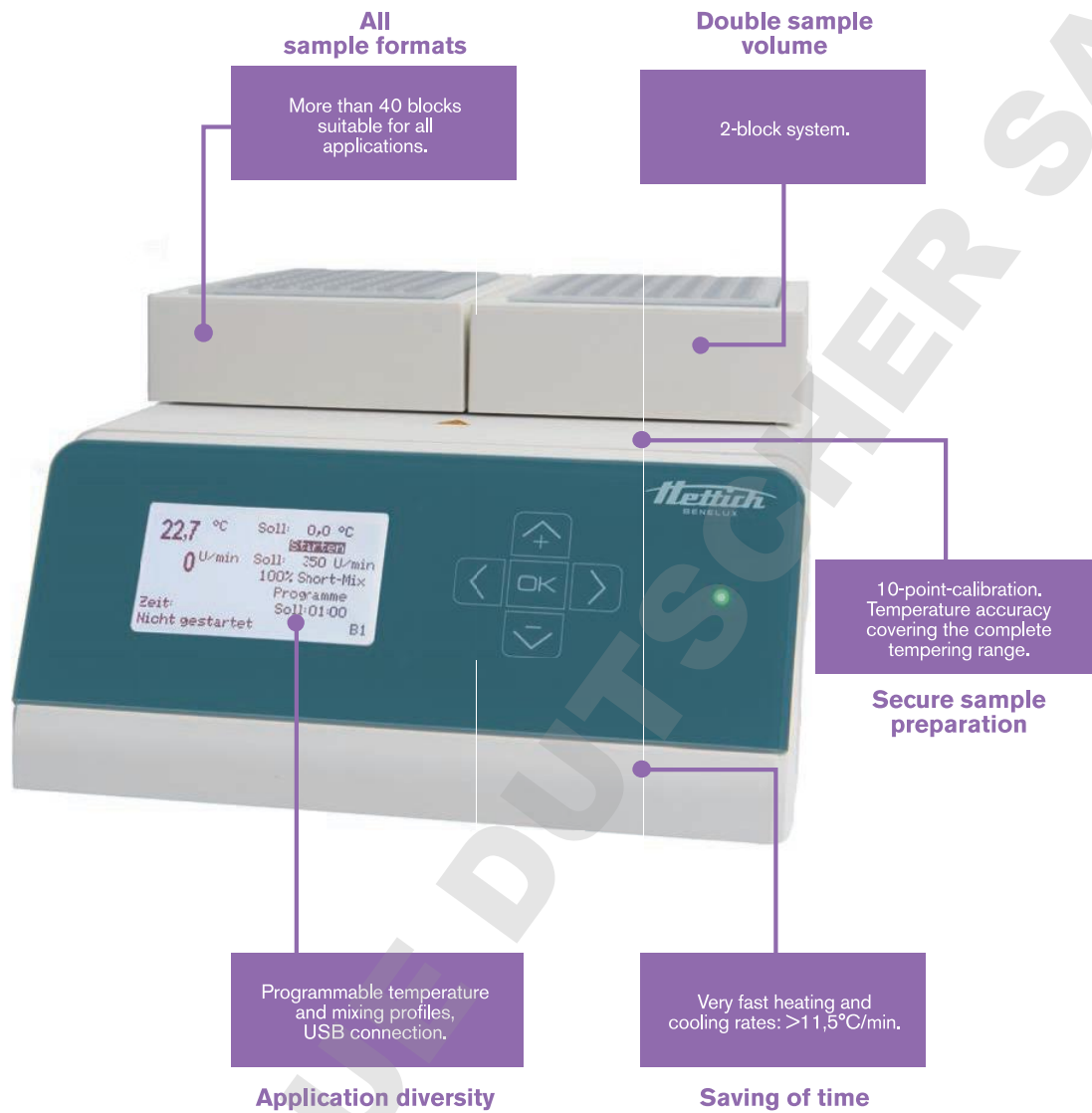
ENGINEERED  
FOR YOU

## Quality, innovation and service

**H**ettich Benelux is your leading supplier of Thermo Shakers and BlockThermos, which are tailored to your specific applications and requirements. Expect quality, innovation and service from Hettich

Benelux, in everything we do. You will see it in our products, A-class parts, certifications, eco-awareness, service and communication. Not only is innovation important, the maintenance of your equipment is also in good hands.

# MULTIFUNCTIONAL THERMO SHAKER



## From simply practical to highly flexible - Smart Control

Program up to 9 complete programs with 30 program steps and temperature curves in total – exactly tailored to your application. The application variety is rounded out by the short mix function e.g. for vortexing as well as interval shaking. The direction of rotation is switchable by the software.

Constant overview of your process at any time: with the detailed information on the display you always have an overview of the following values:

<b>49,9°C</b>	Soll: 60,0°C
<b>200 U/min</b>	<b>Stoppen</b>
Läuft seit: 00:16	Soll: 200 U/min
Prozess ohne Programm	<b>100% Short-Mix</b>
	Soll: endlos
	<b>B0</b>

- Actual and set temperature
- Actual and set shaking frequency
- Actual and set time
- Program number, cycle, step

Parameters for programming	
Program no.	1-9
Number of cycles	1-9
Program steps	30
Progress time hours	0-99 h / infinite
Progress time minutes	0-59 min
Set temperature	-10°C bis +137°C
Rise time	0-99 min
Shaking frequency	200 to 1.500 rpm
Interval shaking, standstill (pause)	0,0 - 9,9 min
Interval shaking, mixing	0-9 sec

Navigate through the intuitive menu with only five key elements and adjust the 10 parameters to your application – this comfort is unsurpassable.



**Multifunctional Thermo Shaker MKR 13**  
Art.-no. 980123003



**Technical specification**

Temperature operation range Amb. -16°C ... +100°C
Temperature adjustable range -10°C... +105°C
Accuracy / Resolution +/- 0,1°C / 0,1°C
Maximum heating time 6°C / min
Maximum cooling time 12°C /min
Shaking frequency 200-1.500 rpm
Orbit 3 mm orbital
Dimensions (W x D x H) 220 x 330 x 144 mm
Capacity 1 exchangeable block
Weight 9 kg
Electrical heating / cooling power 130 W
Electrical supply 115/230 V, 50/60 Hz
Smart Control: 30 program steps, short mix, interval shaking

- **Fast heating and cooling rates > 6°C/min**
- **Application diversity: Programmable temperatur and mixing profiles, USB connection**

**Double-Block-Cooling Thermo Shaker MKR 23**  
Art.-no. 980223003



**Technical specification**

Temperature operation range Amb. -11°C ...+70°C
Temperature adjustable range 0°C...+80°C
Accuracy / Resolution +/- 0,3°C / 0,1°C
Maximum heating time 3,5°C / min
Maximum cooling time 6,5°C / min
Shaking frequency 200-1.200 rpm
Orbit 3 mm orbital
Dimensions (W x D x H) 220 x 330 x 144 mm
Capacity 2 exchangeable blocks
Weight 9,5 kg
Electrical heating / cooling power 200 W
Electrical supply 115/230 V, 50/60 Hz
Smart Control: 30 program steps, short mix, interval shaking

- **Double sample volume: 2-block system**
- **Secure sample preparation: 10-point calibration**

**Multifunctional Thermo Shaker MHR 13**  
**Art.-no. 980423003**



**Technical specification**

Temperature operation range Amb. +3°C ...+130°C
Temperature adjustable range 0°C...+137°C
Accuracy / Resolution +/- 0,1°C / 0,1°C
Maximum heating time 11,5°C / min
Shaking frequency 200-1.500 rpm
Orbit 3 mm orbital
Dimensions (W x D x H) 220 x 330 x 109 mm
Capacity 1 exchangeable block
Weight 6,5 kg
Electrical heating power 200 W
Electrical supply 115/230 V, 50/60 Hz
Smart Control: 30 program steps, short mix, interval shaking

- **Saving of time: > 11,5°C/min**
- **Temperature working range: RT. +3°C ... +130°C**

**Double-Block Thermo Shaker MHR 23**  
**Art.-no. 980523003**



**Technical specification**

Temperature operation range Amb. +3°C ...+130°C
Temperature adjustable range 0°C...+137°C
Accuracy / Resolution +/- 0,1°C / 0,1°C
Maximum heating time 9,5°C / min
Shaking frequency 200-1.500 rpm
Orbit 3 mm orbital
Dimensions (W x D x H) 220 x 330 x 109 mm
Capacity 2 exchangeable blocks
Weight 7 kg
Electrical heating power 350 W
Electrical supply 115/230 V, 50/60 Hz
Smart Control: 30 program steps, short mix, interval shaking

- **Double sample volume: 2-block system**
- **Orbital shaking motion**

**Double-Block Thermo Shaker MHL 23**  
**Art.-no. 980623003**



**Technical specification**

Temperature operation range Amb. +3°C ...+130°C
Temperature adjustable range 0°C...+137°C
Accuracy / Resolution +/- 0,1°C / 0,1°C
Maximum heating time 9,5°C / min
Shaking frequency 200-1.300 rpm
Orbit 3 mm orbital
Dimensions (W x D x H) 220 x 330 x 109 mm
Capacity 2 blocks
Weight 7 kg
Electrical heating power 350 W
Electrical supply 115/230 V, 50/60 Hz
Smart Control: 30 program steps, short mix, interval shaking

- **Double sample volume: 2-block system**
- **Orbital linear shaking motion: Ideal for small sample volumes**

**Remote Software**  
**Art.-Nr. 300040013**

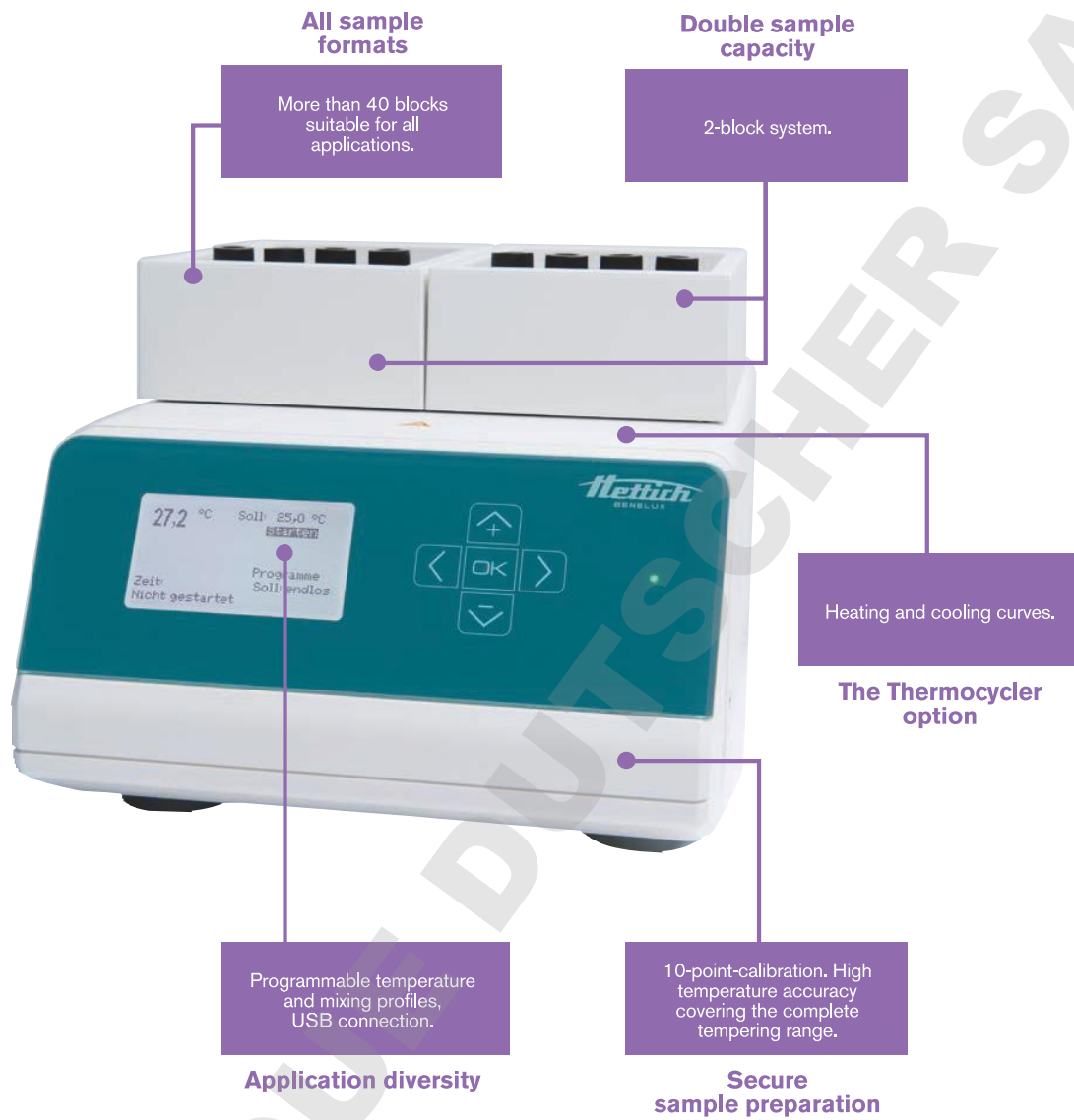
You can use the Remote Control and Data Logging Software to regulate and control the devices. A USB connection to communicate with a PC is standard for all Thermo Shakers and BlockThermostats with Smart Control.

By using a script the device can be operated by remote control and process data of the device can be gained and documented in an Excel file.





# BLOCKTHERMOSTATS



**Basic Double-BlockThermostat TH 21**  
**Art.-no. 980923003**



**Technical specification**

Temperature operation range	Amb. +3°C ...+130°C
Temperature adjustable range	0°C...+137°C
Accuracy / Resolution	+/- 0,1°C / 0,1°C
Maximum heating time	9,5°C / min
Dimensions (W x D x H)	220 x 330 x 109 mm
Capacity	2 exchangeable blocks
Weight	3,5 kg
Electrical heating power	350 W
Electrical supply	115/230 V, 50/60 Hz
Easy Control Timer	19h 59Min

- **Saving of time: Very fast heating rates >9,5°C/min**
- **Double sample volume: 2-block system**

**Multifunctional Double-BlockThermostat TK 23**  
**Art.-no. 980823003**



**Technical specification**

Temperature operation range	Amb. -16°C ...+90°C
Temperature adjustable range	-10°C...+105°C
Accuracy / Resolution	+/- 0,3°C / 0,1°C
Maximum heating time	4°C / min
Maximum cooling time	7°C / min
Dimensions (W x D x H)	220 x 330 x 144 mm
Capacity	2 exchangeable blocks
Weight	7,5 kg
Electrical heating /cooling power	130 W
Electrical supply	115/230 V, 50/60 Hz
Smart Control	30 program steps

- **Application diversity: Programmable temperature and mixing profiles, USB connection**
- **Secure sample preparation: 10-point-calibration**

## EXCHANGEABLE THERMOBLOCKS

### All sample formats

More than 40 standard blocks and custom-made blocks at best prices.

### Autoclavable blocks

Solid block construction.



Easy and fast exchanging – suitable for all devices.

### Plug and Play

Accessories like Insulating top and Anti-condensation plate and so on.

### Application diversity

Select the one applicable for you from more than 40 different exchangeable blocks. Quick and simple handling: they are simply inserted and fixed on top of the heating and cooling units. The blocks are suitable and exchangeable for all Thermo Shakers and BlockThermostats listed in this catalogue.

Our blocks have consistent outside dimensions of 14,5 x 10,2 cm. The usable area here is 12,5 x 8,5 cm. The height varies with each block.

**For microtubes**

Block for 24 x 1,5 ml, tapered



**Article no.**  
 800011000

Block for 24 x 2,0 ml, tapered



**Article no.**  
 800011100

Block for 24 x 0,5 and 1,5 ml tubes, tapered



**Article no.**  
 800016900

Block for 30 x 1,5 ml or 2,0 ml tubes, tapered



**Article no.**  
 800016300

Block for 96 x 0,2 ml, tapered



**Article no.**  
 800010800

Block for 38 x 0,5 ml, tapered



**Article no.**  
 800010900

Block for 24 x Cryo tubes, Flat bottom



**Article no.**  
 800016400

Block for 24 x Cryo tubes, Round bottom



**Article no.**  
 800017400

For sample tubes

Block for 24 x  $\varnothing=12$  mm, 20 mm deep,  
HPLC-Vials,  
flat bottom



**Article no.**  
**800011600**

Block for 24 x  $\varnothing=15$  mm, 30 mm deep,  
flat bottom



**Article no.**  
**800011700**

Block for 24 x  $\varnothing=16,5$  mm, 30 mm deep,  
flat bottom



**Article no.**  
**800014200**

Block for 24 x  $\varnothing=18,7$  mm, 25 mm deep,  
flat bottom



**Article no.**  
**800016100**

Block for 12 x  $\varnothing=22,5$  mm, 56 mm deep,  
flat bottom



**Article no.**  
**800015200**

Block for 12 x  $\varnothing=23$  mm, 56 mm deep,  
flat bottom



**Article no.**  
**800016000**

Block for 8 x  $\varnothing=27,5$  mm, 40 mm deep,  
flat bottom



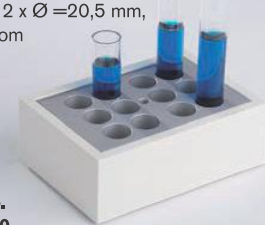
**Article no.**  
**800011900**

Block for 24 x  $\varnothing=12$  mm,  
round bottom



**Article no.**  
**800012600**

Block for 12 x  $\varnothing=20,5$  mm,  
round bottom



**Article no.**  
**800012700**

Block for 24 x  $\varnothing=10,3$  mm, 46 mm deep,  
with cover,  
round bottom



**Article no.**  
**800011500**

Block for 24 x  $\varnothing=10,4$  mm, 75 mm deep,  
with cover,  
flat bottom



**Article no.**  
**800014100**

Block for 24 x  $\varnothing=16$  mm,  
51 mm deep,  
with cover,  
round bottom



**Article no.**  
**800011800**

For centrifugal tubes

Block for 14 x  
„Falcon“  
tubes 15 ml,  
half size,  
with cover



**Article no.**  
800012200

Block for 14 x  
„Falcon“  
tubes 15 ml,  
93 mm  
drillings,  
with cover



**Article no.**  
800018600

Block for 6 x  
„Falcon“  
tubes 50 ml,  
half size,  
with cover



**Article no.**  
800012300

Block for 6 x  
„Falcon“  
tubes,  
50 ml,  
95 mm drillings,  
with cover



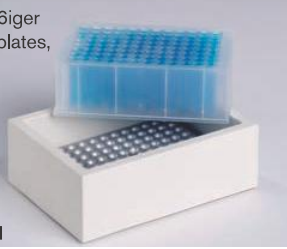
**Article no.**  
800018700



## For deep-well plates

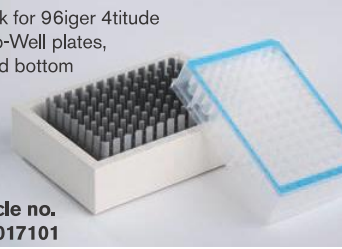
Block for 96iger deep-Well plates, universal

**Article no.**  
**800010501**



Block for 96iger 4titude deep-Well plates, round bottom

**Article no.**  
**800017101**



Block for 96iger Eppendorf deep-Well plates, round bottom

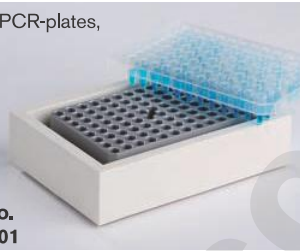
**Article no.**  
**800016602**



## For PCR plates

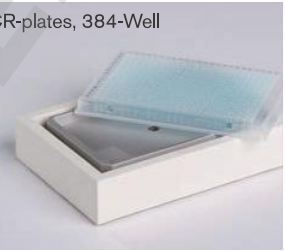
Block for PCR-plates, 96-Well

**Article no.**  
**800010401**



Block for PCR-plates, 384-Well

**Article no.**  
**800010301**



## For microtiter plates

Block for microtiter plates 96-Well, round bottom

**Article no.**  
**800019001**



Block for microtiter plates flat bottom

**Article no.**  
**800019301**



## For slides

Block for 12 slides for hybridation

**Article no.**  
**800012400**





For other applications

Block for 36 Rectangular cuvettes 12,5 mm outside



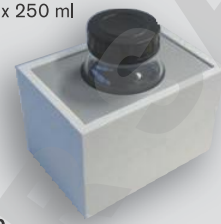
**Article no.**  
800011200

Block for 2 x 50 ml bottles, flat bottom



**Article no.**  
800018500

Block for 1 x 250 ml bottle, flat bottom



**Article no.**  
800018900

Block as tempering tub for deep-well-plates or other tubes, 128 x 85 x 70 mm



**Article no.**  
800012100

For own customization

Block for micro tubes without drillings, 25 mm high



**Article no.**  
800010700

Block for micro tubes without drillings, 37 mm high



**Article no.**  
800011300

Block for micro tubes without drillings, 50 mm high



**Article no.**  
800011400

## Accessories for Thermo Shakers & BlockThermostats

Anti-condensate plate



Article no.	Article description
800013000	Block for PCR und microtiter plates
800012900	Block for microtubes

- For blocks with micro tubes or test plates
- Aluminum plates quickly reach the block temperature and prevent condensation

Insulating top



Article no.	Article description
800012800	Insulating top for microtubes

- Additional insulation provided by cover
- Quicker and even more uniform tempering of the samples

Tempering cover



Article no.	Article description
800013800	Tempering cover for units with one block and high tubes
800013900	Tempering cover for units with two blocks and high tubes

- Especially for high tubes
- Reduces the influence of the surrounding temperature

**Heating top**

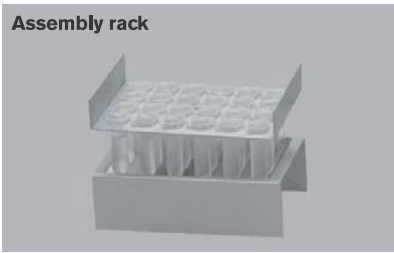


**Article no. Artikelbeschreibung**

800012500 Heating top

- For blocks of micro tubes & PCR plates
- Parallel heating of the block or even quicker heating and prevention of condensation

**Assembly rack**



**Article no. Artikelbeschreibung**

800013100 Assembly rack for tubes 0.5 ml

800014300 Assembly rack for tubes 1.5 and 2.0 l

- Simple tool for the loading of sample tubes into the block

**Country Sets**

**Article no. Country Sets**

980000101 Country Set Europe

980000201 Country Set Switzerland

980000301 Country Set UK

# Hettich

**BENELUX**  
LABORATORY EQUIPMENT

## Engineered for you

Your Hettich Benelux partner



Member of SEDEX

Hettich Benelux B.V. | De Aaldor 9 | 4191 PC Geldermalsen | The Netherlands  
[www.hettichbenelux.com](http://www.hettichbenelux.com) | +31 (0)88 221 99 00 | [info@hettichbenelux.com](mailto:info@hettichbenelux.com)

@HettichBenelux Hettich Benelux