

biometra
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The NEW TPersonal Thermocycler



Now
even
better



TPersonal Thermocycler

The **TPersonal Thermocycler** is a small and powerful instrument. Whenever the need arises to carry out different protocols with up to 48 samples the TPersonal is the perfect Thermocycler offering maximum flexibility. Using the latest Peltier technology the TPersonal provides high heating and cooling rates. With its small footprint the instrument also fits to limited laboratory bench space.

Usage

Programming of the **TPersonal Thermocycler** has now become even easier. Four context sensitive buttons on the new designed front panel allow quick access to all important functions. Programs are easily created in a well arranged spreadsheet that shows all program steps in a single screen.

Moreover, due to a revised data file structure stored programs are quickly retrieved from individual subdirectories.



Display

The new **TPersonal** front panel features a large backlit graphical display. During cycling all important data are displayed simultaneously. In the programming mode, the large display allows subsequent program steps to be viewed easily.

Block

Biometra offers the **TPersonal Thermocycler** in three different block formats. The 48 well version can be used with 0.2 ml tubes, strips and 48 well microplates. This capacity outperforms any other cycler in this segment. The 20 well version is designed for 0.5 ml tubes. For maximum flexibility Biometra also offers a combi-block version 48 wells for 0.2 ml tubes (strips or microplates) or 18 wells for 0.5 ml* tubes.



* capacity increases up to 35 x 0.5 ml by the use of small cap tubes





Smart lid technology

The **TPersonal** is the only personal cycler featuring "high performance smart lid (HPSL)" technology. The adjustable heated lid applies a consistent, optimum pressure, irrespective of the type of plasticware used. This ensures a perfect fit of the tubes into the block, leading to highly efficient heat transfer. Due to the automatic pressure control mechanism, the tubes cannot be damaged and condensation of the reaction mixture is totally prevented.

High speed

Using proven Peltier technology the **TPersonal** due to outstanding heating and cooling rates provides short run times and excellent specificity.



Small footprint

With a footprint of only 22 cm x 31 cm the **TPersonal Thermocycler** needs a minimum of space and fits on every laboratory bench.

Technical Specifications

Capacity	TPersonal 20: 20 tubes 0.5 ml TPersonal 48: 48 tubes 0.2 ml or 48 well microplates or 0.2 ml strips TPersonal combi: 18 tubes 0.5 ml* or 48 tubes 0.2 ml or 48 well microplates or 0.2 ml strips
Block	Aluminium
Temperature Range	+3 °C to 99 °C
Max. heating**	3 °C/s
Max. cooling**	3 °C/s
Temperature uniformity	± 0.5 °C
Control accuracy	± 0.1 °C
Display	LCD graphical display, back-lit
Program stores	Total capacity: 1500 steps 10 directories with up to 100 programs each Maximum 99 steps/program, maximum 99 cycles
Software	Heating/cooling rates adjustable [0.01 to 3 °C/s] Temperature increment [up to ± 20 °C per cycle, 0.01 °C steps] Time increment [up to 240 s per cycle] Automatic/manual pause mode Auto restart after power failure Online help Language selection: German/English
Heated Lid	High performance smart lid technology for automatic pressure control Height adjustable Temperature can be set between +30 °C and +99 °C Automatic switch off
Interface	Serial RS232 port (bi-directional data transfer)
Power consumption	Maximum 260 W
Power supply	100, 115, 230 Volt/50 – 60 Hz
Noise emission	Very low
Dimensions (W x D x H)	21.7 x 30.7 x 14.9 cm
Weight	6.7 kg

* capacity increases up to 35 x 0.5 ml by the use of small cap tubes

** depending on block type

Order information

Order number

050 - 550	TPersonal 20
050 - 551	TPersonal 48
050 - 552	TPersonal combi

For information about tubes, strips, microplates and other consumables please contact us/your local distributor.

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