

# ***T**personal* **Thermocycler**

The personal cyclor  
with the **MAXIMUM POWER**



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# ***T**personal* Thermocycler – get yo

Modern molecular biology techniques demand the use of powerful thermocyclers. Such machines have become a key element in all laboratories. In many cases, mainstream thermocyclers are permanently occupied with routine samples, leading to a bottleneck when the need arises to carry out special protocols with fewer samples. To meet the increasing demand for flexibility, we have designed the new *Tpersonal* thermocycler. Using the latest developments in Peltier technology we have built a machine that provides both maximum power and a small footprint.

## Three different block formats

The *Tpersonal* comes 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 cyclers in this segment. The 20 well version is designed for 0.5 ml tubes. For maximum flexibility we also offer a Combi-block version. The Combi-block holds 48 x 0.2 ml tubes (strips or microplates) or 18 x 0.5 ml tubes.



## Big display

The *Tpersonal* features a backlit graphical display. During cycling all important data points are displayed simultaneously. In the programming mode, the big display allows subsequent program steps to be viewed easily.



## Easy to program

Programming the *Tpersonal* is very easy. All program parameters are set in one clear spreadsheet without the need to step through a never-ending flow of different screens. Navigation in this spreadsheet is easy by use of the four cursor keys. Online help is available for all fields of the programming spreadsheet. The four function keys provide quick access to important programming options. For maximum convenience programs can be stored in personal subdirectories.



## High speed

Using the latest in Peltier technology and a new block architecture the *Tpersonal* achieves outstanding heating and cooling rates.



# our personal assistant



## Smart lid technology

The *Tpersonal* is the first personal cycler featuring "smart lid" technology. The adjustable heated lid applies a consistent, optimum pressure, irrespective of the type of plastic-ware used. This ensures a perfect fit between the tubes and the block, leading to highly efficient heat transfer. Due to this automatic control mechanism, the samples cannot be damaged and condensation of the reaction mixture is totally prevented.



# Technical specifications/Ordering information

Technical specifications		
Capacity	<i>T<sub>personal</sub> 20:</i>	20 tubes 0.5 ml
	<i>T<sub>personal</sub> 48:</i>	48 tubes 0.2 ml or 48 well microplates or 0.2 ml strips
	<i>T<sub>personal</sub> Combi-block:</i>	18 tubes 0.5 ml or 48 tubes 0.2 ml or 48 well microplates or 0.2 ml strips
Block	aluminum	
Temperature Range	-3°C – 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 – 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	Smart lid technology for automatic pressure control Height adjustable Temperature can be set between 30 and 99°C Automatic switch off	
Interfaces	Serial RS232 port (bi-directional data transfer) Parallel Centronics (printer) Port for in tube sensor	
Power consumption	Maximum 260 W	
Dimensions (WxDxH)	21.7 x 30.7 x 14.9 cm	
Weight	6.7kg	

Order information	Order-No.
<i>T<sub>personal</sub> 20</i> 20 wells for 0.5 ml tubes	050 - 550
<i>T<sub>personal</sub> 48</i> 48 wells for 0.2 ml tubes or 48 well microplates or 0.2 ml strips	050 - 551
<i>T<sub>personal</sub> Combi-block</i> for 18 x 0.5 ml or 48 x 0.2 ml tubes, 48 well microplates or 0.2 ml strips	050 - 552

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