

**ALL BLOCKS
WITH EXTENDED
WARRANTY
4 years or
80,000 cycles***
*See local distributor for
details and conditions.



TC-4000



TC-4000

Thermal Cycler, TC-4000

The TC-4000 is one of the most affordable full sized thermal cyclers in the market, flexible for all your protocols and easy on your budget.

High performance

High performance, high sample throughput model for maximum flexibility and economy and ideal for a larger number of parallel samples.

Versatile block format

The truly user-friendly fully interchangeable block system allows blocks to be exchanged in a matter of seconds without the need for any tools (60 x 0.5ml, 96 x 0.2ml, 96-well fully skirted plates, 384-well or flat plate for *In-situ*).

Flexible heated lid

Defined pressure, programmable heated lid (100°C to 115°C) to accommodate a variety of consumables. The heated lid only comes on if the block is set above 35°C.

Intuitive programming

4-line display with intuitive, simple-to-use software with alphanumeric programming, password protection, simple copy/edit functions and much more.

- Temperature range 4°C to 99°C
- Excellent heating rate of 2.6°C/sec and block uniformity of $\pm 0.3^\circ\text{C}$ at 50°C ensures high reproducibility
- 8 peltiers; using the innovative Quad Circuit Technology, the TC-4000 ensures unsurpassed control accuracy and temperature uniformity
- The TC-4000 can be connected to a PC along with other Techne cyclers for high throughput applications using Gensoft software

Technical Specification

	TC-4000
Block formats	
0.5ml capacity	60
0.2ml capacity	96
384-well	Yes
<i>In-situ</i>	Yes
Block Temperature	
Maximum ramp rate	2.6°C/sec
Block uniformity at 50°C	$< \pm 0.3^\circ\text{C}$
Temperature range	4°C to 99°C
Heated Lid	
Selectable heated lid temperature	100°C to 115°C
Heated lid enable/disable	Yes
Over-temperature cut-out	Yes
Programming	
Number of programs	80
Password protection	Yes
Programming display	4-line alphanumeric
Auto restart on power failure	Yes
Dimensions L x W x H (mm)	420 x 220 x 260
Voltage	230/115V, 50-60Hz
Power	620W
Shipping Weight	13kg

Ordering Information

Product Code	Description
FTC4/05	TC-4000 thermal cycler for 60 x 0.5ml microtubes, 115V/230V
FTC4/H02	TC-4000 thermal cycler for 96 x 0.2ml microtubes or 96-well plates, 115V/230V
FTC4/F02	TC-4000 thermal cycler for 96 x 0.2ml microtubes or 96-well fully-skirted plates, 115V/230V
FTC4/384	TC-4000 thermal cycler for 384-well plates, 115V/230V
FTC4/FLAT	TC-4000 thermal cycler with flat plate for <i>In-situ</i> , 115V/230V
FTC41B5D	TC-4000 block for 60 x 0.5ml microtubes
FTC41BHD	TC-4000 block for 96 x 0.2ml microtubes or 96-well plates
FTC41BFD	TC-4000 block for 96 x 0.2ml microtubes or 96-well fully skirted plate
FTC4B384	TC-4000 block for 384-well plates
FTC41BID	TC-4000 block with flat plate for <i>In-situ</i>