

4 year
warranty

Special offer*

Techne® Equipment Thermal Cyclers

*Offer ending September 2011

Techne® offers a wide range of thermal cyclers to suit every need. Quality manufacturing, competitive prices and an industry leading 4 year or 80,000 cycle warranty make the Techne® series the obvious choice. All models feature Peltier technology, easily interchangeable blocks, intuitive user interfaces and networkable to a PC for ease of control and programming. Compact, robust and versatile, the range includes models to suit every application and budget.

TC-512 Gradient
WAS £4,177.00
NOW £2,500.00*

TC-412
WAS £3,351.00
NOW £1,999.00*

TC-312 Personal
WAS £2,055.00
NOW £1,299.00*



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Licensed
for **PCR**

Purchase of this instrument conveys a limited non-transferable immunity from suit for the purchaser's own internal research and development and applied fields other than human in vitro diagnostics under non-real-time thermal cycler patents of Applied Biosystems LLC.



TC-312

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TC-412

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TC-512

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The TC-312 thermal cycler is unrivalled as the most reliable, low cost personal cycler. Designed with research and teaching laboratories in mind, the TC-312 offers the ultimate in low cost solutions where ease of use is high on the priority list.

The TC-412 is one of the most affordable full sized thermal cyclers in the market, flexible for all your protocols and easy on your budget. The TC-512 gradient thermal cycler enables you to optimise your experiments at the "touch of a screen", with the same mechanical features as the TC-412.

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Technical Specification

Model	TC-312	TC-412	TC-512
Block formats			
0.5ml capacity	60	60	
0.2ml capacity	96	96	
384-well block	-	-	Yes
Gradient block	-	-	0.5ml, 0.2ml, 384
In-situ block	-	Yes	Yes
User interchangeable	Yes	Yes	Yes
Block Temperature			
Gradient range	-	-	20°C to 70°C
Maximum gradient	-	-	30°C
Maximum ramp rate	3.6°C/sec	2.6°C/sec	3.0°C/sec
Block uniformity at 50°C	<±0.3°C	<±0.3°C	<±0.3°C
Temperature range	4°C to 99°C	4°C to 99°C	4°C to 99°C
Heated Lid			
Selectable heated lid temperature	100°C - 115°C 115°C	100°C - 115°C	100°C - 115°C
Heated lid enable/disable	Yes	Yes	Yes
Over-temperature cut-out	Yes	Yes	Yes
Programming			
Number of programs	80	80	50 - 500
Password protection	Yes	Yes	Yes
Programming display	4-line alphanumeric	4-line alphanumeric	Touchscreen
Graphical display	No	No	Real-time graph
Maximum hold time	18hrs	18hrs	99hrs
Minimum hold time	1 sec	1 sec	1 sec
Auto restart on power failure	Yes	Yes	Yes
Miscellaneous			
Peltier elements/block	4	8	8
Dimensions L x W x H (mm)	330 x 170 x 190	420 x 220 x 260	420 x 220 x 260

Ordering Information

Part Code	Description
FTC3102D	TC-312 Thermal Cycler 0.2
FTC3105D	TC-312 Thermal Cycler 0.5
FTC41H2D	TC-412 Thermal Cycler 0.2 x 96
FTC41S5D	TC-412 Thermal Cycler 0.5 x 60
FTC51H2D	TC-512 Thermal Cycler 0.2 x 96
FTC51S5D	TC-512 Thermal Cycler 0.5 x 60



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