

Offer  
Extended  
4 year  
warranty

# Special offer\*

Techne® Equipment Thermal Cyclers

\*Offer ends 23rd December 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

WAS £4,177.00  
NOW £2,500.00\*

TC-412 **SOLD OUT**

~~WAS £3,351.00~~  
NOW £1,999.00\*

TC-312

WAS £2,055.00  
NOW £1,299.00\*



**TECHNE**

[www.techne.com](http://www.techne.com)

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**  
**WAS £2,055.00**  
**NOW £1,299.00\***



**TC-412** **SOLD OUT**  
**WAS £3,351.00**  
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**TC-512**  
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\* Offer original end date 30th September 2011 - now extended until 23rd December 2011. Offer only valid in UK and Ireland

## Technical Specification

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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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Model	TC-312	TC-412	TC-512
<b>Block formats</b>			
0.5ml capacity	20	60	60
0.2ml capacity	25	96	96
384-well block	-	-	Yes
Gradient block	-	-	0.5ml, 0.2ml, 384
In-situ block	-	Yes	Yes
User interchangeable	Yes	Yes	Yes
<b>Block Temperature</b>			
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	<±0.1°C	<±0.3°C	<±0.3°C
Temperature range	4°C to 99°C	4°C to 99°C	4°C to 99°C
<b>Heated Lid</b>			
Selectable heated lid temperature	100°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
<b>Programming</b>			
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
<b>Miscellaneous</b>			
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 x 25
FTC3105D	TC-312 Thermal Cycler 0.5 x 20
<del>FTC41H2D</del>	<del>TC-412 Thermal Cycler 0.2x96HS</del> <b>SOLD OUT</b>
<del>FTC41S5D</del>	<del>TC-412 Thermal Cycler 0.5x60</del> <b>SOLD OUT</b>
FTC51H2D	TC-512 Thermal Cycler 0.2 x 96
FTC51S5D	TC-512 Thermal Cycler 0.5 x 60



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