

**TECHNE**

# TC-5000 Thermal Cycler



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The TC-5000 gradient thermal cycler enables you to optimize your experiments at the "touch of a screen", with the same mechanical features of the TC-4000 (versatile block format, Quad Circuit Technology, flexible heated lid, etc).



## Graphical display

The 'real-time' graphical display shows the sample temperature profile while the program is running, including the upper and lower limits of the gradient, allowing for instant visualization of your experiment's status.

## Touchscreen

The TC-5000 incorporates a unique user-friendly programming interface provided by a 4.5 x 3.5" touch-sensitive screen.

## Wide linear gradient

The most linear 96-well gradient cycler on the market, with an amazing range of 30°C, allowing annealing temperatures to be optimized in a single experiment.

## Gradient calculator

The gradient calculator function displays the temperature of each column of tubes. This ensures replication of the experimental conditions.

## Technical Specifications

<b>Block Formats</b>	
0.5ml sample capacity	60
0.2ml sample capacity	96
384-well	Yes
In-situ	Yes
<b>Block Temperatures</b>	
Maximum ramp rate	3.0°C/sec
Block uniformity at 50°C	<±0.3°C
Temperature range	4°C to 99°C
Gradient range	20°C to 70°C
Maximum gradient**	30°C (16°C for 384-block)
<b>Heated Lid</b>	
Selectable temperature	100°C to 115°C
Enable/disable	Yes
Over-temperature cut-out	Yes
<b>Programming*</b>	
Number of programs	50
Maximum hold time	99 hours
Minimum hold time	1 second
Auto restart on power failure	Yes
<b>Other</b>	
Dimensions, w x d x h, in.	8.7 x 16.5 x 10.2"
Voltage	230/115V, 50-60Hz
Power	620W
Shipping weight, lbs.	30.8

\*The TC-5000 can be connected to a PC along with other Techne cyclers for high throughput applications using Gensoft software, which can be downloaded for free from [www.techneusa.com](http://www.techneusa.com).

\*\*Unavailable for In-situ block.

## Ordering Information

Item No.	Description
FTC5/05	TC-5000, 60 x 0.5ml, 230/115V
FTC5/H02	TC-5000, 96 x 0.2ml, 230/115V
FTC5/F02	TC-5000, 96 x 0.2ml fully-skirted*
FTC5/384	TC-5000, 384-well, 230/115V*
FTC5/FLAT	TC-5000, In-situ, 230/115V (non-gradient)*
<b>Blocks</b>	
FTC51B5D	60 x 0.5ml block
FTC51BHD	96 x 0.2ml block
FTC51BFD	96 x 0.2ml fully-skirted plate*
FTC5B384	384-well plate*
FTC51BID	Flat plate block for In-situ (non-gradient)*

\*Special order only.

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