

MJ Research PTC-200 Thermal Cycler

Manufacturer: MJ Research

SKU#: 8252-30-0001



- Guaranteed to meet Original Equipment Manufacturer specifications
- Equipped with ports for RS232, IEEE-488 and parallel printer types
- Compatible with several Alpha modules and blocks

- Need more capacity? What about a quad block MJ Research PTC-225 Tetrad?

- **Call TODAY to configure your next MJ Research PTC-200**



Product Description

The MJ Research PTC-200 DNA Engine w/ 1 Yr Warranty, also now called the Bio-Rad PTC 200 is a reliable peltier thermocycler that boasts of a polished and robust design. The Hot Bonnet heated lid fitted into the PTC 200 Thermo Cycler controls pressure and height. As a result, various plastic wares can be accommodated by the PTC-200 system. This feature enables oil-free cycling as well. The Peltier-effect heat pumps of the system facilitate repeated cycling using the PTC-200 thermal cycler. CALL NOW to get your favorite thermal cycler with the warranty of new from the #1 MJ Research Service and Sales provider. MJ Research PTC-200 thermal cyclers are equipped with interchangeable sample blocks and heat pump assemblies which allow users to easily change formats in between runs while maintaining NIST-traceable accuracy. Single control units of this model can also be supplied with different alpha modules and alpha blocks to increase functionality. Users can achieve thermal control with this instrument by using either a block-in sample probe or calculated methods. Block controls enhance compatibility with protocols while calculated sample temperature controls highly boost speed and accuracy. Possible MJ

Research PTC-200 Supplements Alpha modules: dual- independently controlled blocks microplate format slide adapter (for up to 16 slides) Alpha blocks: 96-well block Dual 48-well block (to run two programs simultaneously)384 well block This high performing Bio-Rad thermal cycler is easy to use independently or when accompanied by other instruments. A single cycler can be networked to control up to 15 separate instruments. Remote manipulation and monitoring of cyclers can be done through the use of a PC. In addition, PCs also allow for real time data export to video screens or databases. The Bio-Rad MJ Research PTC-200 DNA Engine thermal cycler's large memory, dependable software and robust design ensure that tests produce accurate results and are hassle-free. Call us today to learn more about the MJ Research PTC-200!

MJ Research PTC-200 Thermal Cycler Specification

General	
Thermal range	-5 to 105C. but no more than 30C below ambient temperature (4 to 100C for the Slide Chambers Alpha unit)
Thermal Accuracy	- or + 0.3C of programmed target at 90C- NIST-traceable
Thermal uniformity	- or + 0.4C well-to-well within 30 seconds of arrival at 90C (for most Alpha units; see specifications for individual Alpha units)
Input/Output	
Parallel	One 25-pin 8-bit parallel interface printer port
Serial	One 9-pin RS-232 serial port for printer or remote use
IEEE	One IEEE-488 bidirectional general purpose interface bus
Display	One 20 x 4 LCD alphanumeric display
Dimensions	
W x L x H	12 in. x 12 in. x 12 in.
Weight	25lbs
Miscellaneous	
Ramping speed	up to 3°C/sec in models that hold 0.2ml tubes or V-well plates
Capacity	Varies with installed Alpha unit
Temperature homogeneity	0.4°C within 30 seconds of arrival @ 60°C for all standard models.
Line Voltage	DNA Engine® cycler: 100–240 VAC rms (no adjustment needed among voltages within these ranges)
Frequency	50–60 Hz single phase
Power	DNA Engine cycler: 850 W maximum
Fuses	Two 6.3 A, 250 V, 5 x 20 mm

Gradient Specification (96V Alpha module only)

Accuracy	+0.3°C of programmed target at end columns, 30 seconds after the timer starts for the gradient step, NIST–traceable
Column uniformity	+0.4°C, well–to–well within column, within 30 seconds of reaching target temperature
Gradient calculator accuracy	+0.4°C of actual well temperature
Lowest programmable temperature	30°C
Highest programmable temperature	105°C

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