

Mini Thermal Cycler

MTC3200



Description:

- ◆ MTC3200 Mini Thermal Cycler is a compact, accurate and economical thermal cycler, designed to fit lab's basic thermal cycling needs. The operation of the thermal cycler is controlled by a 5-inch color touch screen. It has a capacity for 32x0.2ml tubes. The wells are arranged in a 4x8 format, allowing the block to accept strips of 8 as well as individual tubes. Excellent block uniformity ensures consistency sample to sample. Fast incubation function meets the experimental needs of denaturation, enzyme digestion/enzyme linkage, ELISA, etc. With a small footprint, the Mini Thermal Cycler will fit almost anywhere.

Features:

- ◆ Capacity: 32x0.2ml tubes and 4x8 tube strips.
- ◆ Heating/cooling method: Peltier.
- ◆ 5-inch intuitive color touch screen – for easy programming of users.
- ◆ 100 typical programs can be stored in memory and easily recalled.
- ◆ The block heats and cools very quickly – at rates as fast as 4°C/sec.
- ◆ The heated lid is self adjusting – the spring loaded platen in the lid comes firmly into contact with the tops of the tubes to prevent samples evaporation and condensation.
- ◆ Temperature of heated lid can be changed or the heating function of lid can be turned off.
- ◆ After a run, samples can be held at 4°C.
- ◆ An on-screen report is available at the completion of a run.

Parameters:

Project	Parameters
Capacity	32x0.2ml tubes, 4x8 tube strips
Temp. setting range	0°C~100°C
Temp. control range	4°C~100°C
Heated lid range	RT.+5°C~110°C, user adjustable
Time increments/decrements	1~120s
Temp. increments/decrements	0.1°C~9.9°C
Storage at 4°C	Yes
Program memory	100 programs
Power	200W
Fuse	250V 3A ϕ 5x20
Weight(kg)	2.3

Project	Parameters
Temp. accuracy/uniformity	$\pm 0.25^\circ\text{C}/\pm 0.25^\circ\text{C}$
Max. heating time	4°C/sec
Max. cooling time	2°C/sec
Temp. display resolution	0.1°C
Temp. control	Simulated sample or block
Display	5-inch color touch screen, 800x480 Pixel
Communication interface	USB(1 port)
On-screen report	Yes
Voltage	AC100~240V, 50-60Hz
Dimension(mm)	260x200x125
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