

Specifications

MJ Mini Thermal Cycler

Thermal range:	0–99.9°C, but no more than 30°C below ambient temperature
Thermal accuracy:	±0.2°C of programmed target @ 90°C, NIST-traceable
Thermal uniformity:	±0.4°C well-to-well within 10 sec of arrival at 90°C
Ramping speed:	Average ramp rates are 1.5°C/sec, with a maximum rate of 2.5°C/sec
Sample capacity:	48 x 0.2 ml tubes, 12 x 0.5 ml tubes, or one 48-wel microplate
Line voltage:	100–240 VAC rms (no adjustment needed among voltages within these ranges)
Frequency:	50–60 Hz single phase
Power:	400 W maximum
Fuses:	Two 6.3 A, 250 V, 5 x 20 mm
Displays:	64 x 128 backlit LCD
Ports:	Two USB ports for access by service personel from Bio-Rad Laboratories
Memory:	400 typical programs in 12 folders
Weight:	4.1 kg
Size (W x D x H):	18 x 32 x 20 cm

Specifications

Gradient

Temp gradient accuracy:	±0.2°C of programmed target at end rows, 10 sec after the timer starts for the gradient step, NIST-traceable
Thermal row uniformity:	±0.4°C , in row, well-to-well, within 10 sec of reaching target temperature
Calculator accuracy:	±0.4°C of actual row temperature, NIST-traceable
Gradient range:	35–99°C
Thermal Gradient differential range:	1–16°C