

MTC-100/MTH-100 Thermo Shaker Incubator

MTC-100/MTH-100 thermo shaker incubator has fast mixing speed. MTC-100 integrates 4 functions of mixing, shaking, incubating with heating and cooling, while MTH-100 integrates 3 functions of mixing, shaking and incubating. Combined with intelligent operation, it can not only mix various tubes, PCR plates, deep-well plates, micro plates and other laboratory supplies, but also equipped the function of vortexing and heating (cooling) all kinds of tubes to meet different needs of different users.



300-1.5k/2k rpm
2 Choices for Speed



1min ~99h59min
Time Setting



Most Test tube
Different Tubes



$\leq \pm 0.3^{\circ}\text{C}$
Temp. Stability/Uniformity

15ml/50ml tube high block+High Cover



【 Product Features 】

1. Perfect radius and excellent 2 dimensional technology blend with adjustable mixing speed
2. Programmable. Efficient shaking and temperature control.
3. Multiple safety protection. Fit for CE safety standard, safety and reliable.
4. Microprocessor and good linearity of temperature control. Shaking speed accurate with small fluctuations.
5. Timing function. Time range is from 0 to 100 hours. Uncertain time to run continuously is also available.
6. Various blocks to exchange, convenient for replacement.
7. Built-in temperature calibration function and short mixing function.
8. DC brushless motor drive, long life and free of maintenance.
9. Power recovery function. After power restored instrument can be set to automatically restore the original run.

【 3-in-1 Shaking and Incubating Method 】

1. Plate (shaking and mixing)
96 holes PCR plates (skirted, semi-skirted, un-skirted)
384 holes PCR plates, 96 holes and 384 holes high plates MTP, enzyme labeled plates
2. Tube Stands (shaking and mixing) 0.2ml PCR tubes and strips stand
PCR tubes and strips stand 0.5ml micro tubes stand 1.5ml/20ml micro tubes stand
3. Blocks (shaking, mixing, incubator)
- Refer to "Exchangeable blocks for MTH-100/MTC-100 series"

【 Technical Parameters 】

Model	MTH-100	MTC-100
Speed Range	300 ~2000rpm	300 ~1500rpm
Shaking Orbit	3mm (horizontal)	3mm (horizontal)
Temp. Control Range	R.T.+5 $^{\circ}\text{C}$ ~100 $^{\circ}\text{C}$	0 $^{\circ}\text{C}$ ~100 $^{\circ}\text{C}$
Temp. Max. Decrease	/	R.T. decreases 20 $^{\circ}\text{C}$
Temp. Setting Range	5 $^{\circ}\text{C}$ ~100 $^{\circ}\text{C}$	0 $^{\circ}\text{C}$ ~100 $^{\circ}\text{C}$
Temp. Stability	$\leq \pm 0.3^{\circ}\text{C}$	$\leq \pm 0.3^{\circ}\text{C}$
Block Temp. Uniformity	$\leq \pm 0.3^{\circ}\text{C}$	$\leq \pm 0.3^{\circ}\text{C}$
Temp. Display Accuracy	0.1 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$
Heating Speed	$\leq 15\text{min}$ (20 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$)	$\leq 15\text{min}$ (20 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$)
Cooling Speed	/	$\leq 30\text{min}$ (R.T. decrease 20 $^{\circ}\text{C}$) @ R. T. 26 $^{\circ}\text{C}$
Time Range	1min ~99h59min or continuous	1min ~99h59min or continuous
Voltage	AC 220V / AC 110V, 50/60Hz	AC 90V ~230V, 50/60Hz
Power	200W	200W
Fuse	250V, 2A/3A, $\Phi 5 \times 20$	250V, 3A, $\Phi 5 \times 20$
Dimension (WxDxH)	196 x 270x 170mm	196 x 270x 170mm
Net Weight	8.2kgs	8.8kgs