

MPS-100 Series Thermal Plate Shakers



MPS-100 Series Thermo-shaker incubator is a high performance microplate incubator and orbital shaker which accommodates up to two microplates. MPS-100 Series can be used for any enzyme or cell-based assays requiring uniform and strictly controlled incubation up to 70°C and effective mixing.

Temperature, shaking speed, and incubation time are programmable via the keypad, while the status parameters are displayed on the LCD in real time via an easy to use interface.

Microprocessor controlled heating plates above and below microplates provide uniform temperature with less than 0.5°C variation between any two wells. This ensures outstanding and repeatable assay performance.

Features :

1. Microprocessor controlled time, RPM, and temperature
2. Heating plates above and below the microplates
3. Incubation up to 70°C in 0.1°C steps
4. Shakes and incubates two microplates simultaneously
5. Beep-signal and stop of shaking motion after program completion
6. Excellent temperature accuracy and uniformity across the plate

The device can be used in :

1. Cytochemistry — for in situ reactions;
2. Immunochemistry — for immunofluorescent reactions;
3. Biochemistry — for enzyme and protein analysis;
4. Molecular chemistry — for matrix analysis.

Technical Specifications;

Model	MPS-100-2A	MPS-100-4A
Number of Platform	2	4
Shaking Speed Range (rpm)	100 - 1200	100 - 1500
Temperature Range	+5°C - 70°C	
Mixing Orbit	2mm	
Timing Range	1min - 99h59min	
Temperature Accuracy	±0.5°C	
Display Accuracy	±0.1°C	
Heating Time (at RT 25°C)	≤20min (From 20°C to 70°C)	
Power Supply	AC100-240V 50/60Hz 150W	AC120-220V 50/60Hz 300W
Dimension (DxWxH)(mm)	280x270x150	320x350x185
Weight	6,5 kg	9 kg