

# Thermo Shaker (with heating lid)

## TPS1000



### Description:

◆ TPS1000 Thermo Shaker (with heating lid) is a multipurpose thermostatic shaker controlled by brushless DC motor. Its PID intelligent temperature control technology ensures the temperature accuracy, automatically adjusts the heating rate and reduces waiting time. Heating lid independent temperature control function can effectively prevent sample evaporation and cross-infection. It is the ideal automation tool for sample incubation, catalysis, blending and preservation.

### Features:

- ◆ LCD display. It is easy to setup and use.
- ◆ Accurate temperature control, high stability.
- ◆ Max. speed to 3000rpm.
- ◆ Heating lid independent temperature control function can effectively prevent sample evaporation and cross-infection
- ◆ Built-in fan reduces sample cooling time.
- ◆ Brushless DC Motor: noiseless long service life maintenance-free.
- ◆ Automatic preheating function.
- ◆ Auto resume to run after power failure.
- ◆ Automatic running function.
- ◆ Short mixing function.
- ◆ Built-in temperature calibration function.
- ◆ Built-in over-heating protection device, safe and reliable.

### Parameters:

Project	Parameters
Temp. setting range	0°C~100°C
Temp. control range	RT+5°C~100°C
Timing range	1sec ~ 99min59sec/1min ~ 99h59min/∞
Temp. accuracy	±0.3°C*
Display accuracy	0.1°C
Temp. uniformity	±0.3°C*
Shaking speed	200~3000rpm
Orbit	2mm
Heating time	≤10min(from 25°C to 100°C)*
Fan cooling time	≤12min(from 100°C to 37°C)*
Heating lid temp. setting range	OFF/AUTO/0°C~110°C
Heating lid temp. control range	RT+5°C~110°C
Heating lid heating time	≤10min(from 25°C to 110°C)*

Project	Parameters
Heating lid independent temp. control function	Yes
Heating lid temp. control mode	Automatic / Manual
Program number	10programs(S0~S9)
Multi points running	Yes(Max 5points)
Multi cycle	Yes(Max 99times)
Auto constant temp. at end of run	Yes
Auto fan function	Yes
Delay heating function	Yes
Power supply	335W
Voltage	AC220V or AC110V, 50/60Hz
Fuse	250V 3A φ5×20
Dimension(mm)	296x212x164
Weight(kg)	6.9

### Optional Blocks:

Type	Capacity	Max. Speed
MD30	96x0.2ml PCR plate	2500rpm
MD31	54x0.5ml centrifuge tube	2500rpm
MD32	35x1.5ml centrifuge tube	2500rpm

Type	Capacity	Max. Speed
MD33	35x2.0ml centrifuge tube	2500rpm
MD34	15x0.5ml+20x1.5ml centrifuge tube	2500rpm
without block	Elisa plate/Deep-well plate/Tissue culture plate	3000rpm



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