

# Thermo Shaker for Microplates

## TS400



### Description:

- ◆ TS400 Thermo Shaker for Microplates 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. Independent timing function allows timing a single plate, that increases flexibility in processing multiple batches. Wrap-around heating lid design reduces thermal edge effects. It is the ideal automation tool for sample incubation, catalysis, blending and preservation.

### Features:

- ◆ LCD display. It is easy to set up and use.
- ◆ Support 6 standard microplates and deep well plates.
- ◆ Support 6 plates timing independently.
- ◆ With a wrap-around heating lid design, two options for heating lid temperature control: automatic or manual.
- ◆ Automatic preheating function.
- ◆ Automatic power recovery function.
- ◆ Automatic fan function.
- ◆ Temperature calibration function.
- ◆ Brushless DC motor, low noise, small interference, free maintenance.
- ◆ Built-in software and hardware over temperature protection device, will use more reliable.

### Parameters:

Project	Parameters
Temp. setting range	0°C~100°C
Temp. control range	RT+5°C~100°C
Timing range	1min ~ 99h59min/∞
Temp. accuracy	±0.5°C@37°C*
Display accuracy	0.1°C
Temp uniformity	±0.5°C@37°C*
Shaking speed	200~1600rpm
Orbit	3mm
Heating time 1	< 5min(from 25°C to 60°C)*
Heating time 2	≤20min(from 25°C to 100°C)*
Auto preheating	Yes
Preheating setting range	37°C~100°C

Project	Parameters
Pause function	Yes
Auto resume to run	Yes
Auto fan function	Yes
Independent timing function	Yes
Heating lid temp. control mode	Automatic / Manual
Multi point running	Yes(Max 5points)
Multi cycle	Yes(Max 99times)
Capacity	6 Microplates or Deepwell plates
Power supply	480W
Voltage	AC220V or AC110V, 50/60Hz
Dimension(mm)	481x346x228
Weight(kg)	15

