

# Thermo Shaker

## TCS10



### Description:

- ◆ TCS10 Thermo Shaker is a temperature controlled shaker, which is used for a variety of molecular biology applications. Speed, time and temperature settings are continuously visible on the LCD, simultaneously showing both actual and selected values. Integral over-temperature control ensures long time, safety and sample integrity.

#### Application:

- ◆ Maintaining 14°C for ligation reactions.
- ◆ Maintaining 17°C for storing oocytes.
- ◆ Storing samples at ice bucket temperatures.
- ◆ Storing enzymes or DNA libraries at work station.
- ◆ Transporting samples from the field at exactly the right temperature.
- ◆ Heating samples in the field.
- ◆ Enzyme reactions and deactivations.
- ◆ PCR sample preparation.

### Features:

- ◆ LCD display. It is easy to setup and use.
- ◆ Reliable design with inner extra temperature protection.
- ◆ Each thermo shaker is equipped with lifter that is easy to replace different blocks.
- ◆ Digital accuracy and convenience.
- ◆ Precision wells for uniform thermal transfer.
- ◆ Assorted blocks for a wide variety of tube sizes.
- ◆ Brushless DC Motor: noiseless long service life maintenance-free.
- ◆ Conform to CE safety standard.
- ◆ Accurately control and display time, temperature and speed.

### Parameters:

Project	Parameters
Temp. setting range	0°C~100°C
Timing range	1min ~ 99h59min/∞
Display accuracy	0.1°C
Shaking speed	200~1500rpm
Heating time	≤15min(from 25°C to 100°C)*
Multi point running	Yes(Max 5points)
Multi cycle	Yes(Max 99times)
Auto running	Yes
Storage at 4°C	Yes
Voltage	AC110V~220V/50-60Hz
Dimension(mm)	260x195x150

Project	Parameters
Temp. control range	RT.-20°C~100°C
Temp. accuracy	±0.3°C*
Temp. uniformity	±0.3°C*
Orbit	3mm
Cooling time1	≤10min(from 100°C to 25°C)*
Cooling time 2	≤15min(from RT. to RT.- 20°C)
Auto heating	Yes
Auto resume to run	Yes
Power supply	150W
Fuse	250V 3A Φ5×20
Weight(kg)	7.5

Test condition: RT25°C±2°C, block is 35X1.5ml, use mercurial thermometer, accuracy is ±0.1°C.

### Optional Blocks:

Type	Description	Temp range	Max Speed
MD30	96×0.2ml	0°C~100°C	1500rpm
MD31	54×0.5ml	0°C~100°C	1500rpm
MD32	35×1.5ml	0°C~100°C	1500rpm
MD33	35×2.0ml	0°C~100°C	1500rpm
MD34	15×0.5ml+20×1.5ml	0°C~100°C	1500rpm

Type	Description	Temp range	Max Speed
MD35	96×0.2ml(elisa plate)	0°C~100°C	1500rpm
MD36	24×5ml	0°C~100°C	1000rpm
MD37	15×10ml	0°C~100°C	1000rpm
MD38	12×15ml	0°C~100°C	800rpm
MD39	6×50ml	0°C~100°C	800rpm