



The Thermo Shaker series allow for precise and efficient heating and mixing, as well as excellent temperature accuracy and uniformity, offering a wide range of applications, such as gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial growth, etc.

Features:

- ◆ Clear and easy-to-read TFT screen.
- ◆ Excellent performance for temperature controlled mixing applications.
- ◆ Up to 9 user define programs.
- ◆ A wide range of heating blocks to accommodate tubes with different capacities.
- ◆ Aluminum heating blocks enhance heat transfer.
- ◆ Easily interchangeable blocks with magnetic adhesion and without any tools..
- ◆ A transparent plastic lid is available to better preserve the temperature.



Technical Specifications:

Model	AE-TSI100	AE-TSI200	AE-TSI300	AE-TSI400
Functions	Heating, Cooling & Mixing	Heating & Mixing	Heating & Cooling	Heating
Temperature range	Heating: RT ~100°C Cooling: RT~ below RT 15°C	Heating: RT~ 100°C	Heating: RT ~110°C Cooling: RT~ below RT 25°C	Heating: RT+5°C ~ 100°C
Temperature setting range	0.1-100°C	15-100°C	-5-110°C	15-100°C
Temperature control accuracy	± 0.5°C			
Temperature uniformity	Max.± 0.5°C			
Max. heating rate	5.5°C/min			
Max. cooling rate	5°C/min(100°C-RT.) 0.5°C/min(below RT)	---	2.5°C/min(100°C-RT.) 0.5°C/min(below RT)	---
Mixing frequency	200-1500rpm			
Mixing orbit	3mm			
Time Setting Range	0~99h30min			
Program	9			
Screen	TFT			
Overheating protection	150°C			
Adapter block material	aluminum			
Voltage, Frequency	DC12V,100~240V,50/60Hz			
Power	200W			
Dimension [D×W×H]	200×235×120mm (without the heating block)			
Weight	7.3kg			



Block Ordering Detail:

Order No.	Speed	Capacity	Diameter x Depth	Order No.	Speed	Capacity	Diameter x Depth
A301	1500rpm	24x0.5mL	8.1x26mm	F306	800rpm	8x15mL	16.9x80mm
B302	1500rpm	24x1.5mL	10.9x30.8mm	G307	600rpm	4x50mL	29.6x80mm
C303	1500rpm	24x2mL	10.9x30.8mm	H308	1500rpm	0.2mLx96 PCR plate	
D304	1500rpm	8x5mL(round bottom)	13.6x42mm	I309	1500rpm	microplate	
E305	1400rpm	8x5mL(cone bottom)	17x51.5mm				

Block Detail

