

## Thermal Shaking Incubators

The **CTS-1** and **TS-1** model **Thermo Shakers** are an ideal instrument for intensive mixing of samples in the regulated temperature conditions.

Mixing and heating modes can be used both simultaneously and independently i.e, the device can work as shaker and as a thermostat. The Main body of the Mixing Block can be used with different kinds of blocks.

CTS-1 and TS-1 is applicable for DNA analysis, extraction of lipids and other cell components. DNA library creation, PCR amplification, pre-denaturation in electrophoresis, serum solidification etc.



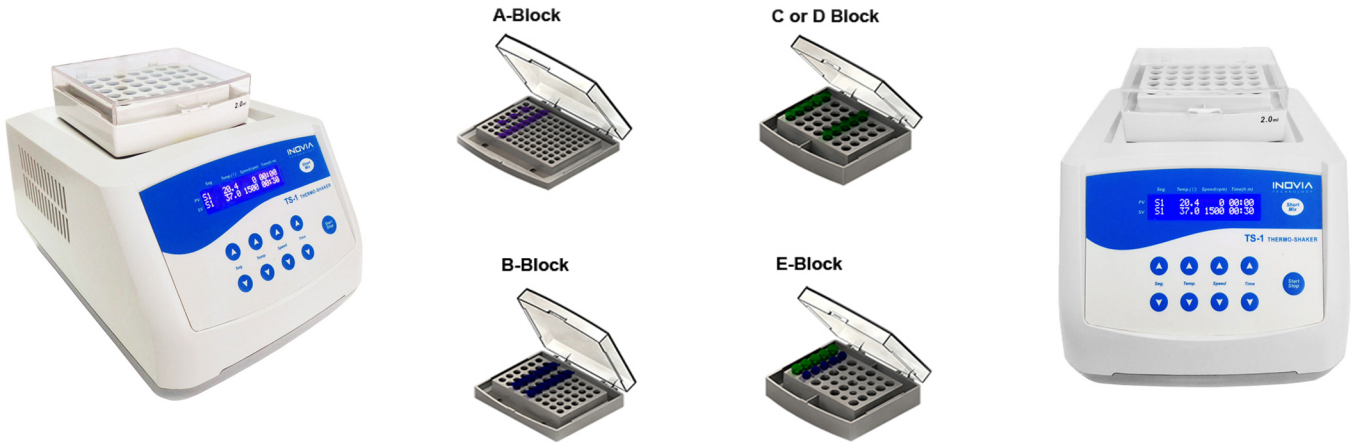
### Features;

1. As it is equipped with various optional mixing blocks, the instrument can adapt to different tubes & wells to cope with experimental needs. It is easy to replace the metal blocks and is very simple to clean and sterilize. Customized blocks are available to suit your specific demands.
2. LCD display. It easy to setup and use.
3. Simultaneous display of set and actual time temperature and speed.
4. Over heating protection device ensures safety & reliability.
5. Temperature can be calibrated to meet user's needs.
6. Beep-signal and stop, after program completion.
7. Can be produced for OEM customers.

### Technical Specifications;

MODEL	TS-1	CTS-1
Mixing Rate	200 - 1500 rpm	
Orbit	2mm	
Temperature Setting Range	+5°C - 100°C	0°C - 100°C
Temperature Control Range	RT +5°C - 100°C	0°C - 100°C at Room Temp. ≤20°C 4°C - 100°C at Room Temp. ≤25°C 10°C - 100°C at Room Temp. ≤30°C
Timing Range	1min - 99h59min	
Accuracy of the Temperature	≤0.5°C	
Heating Time (at RT 25°C)	≤12min (From 40°C to 100°C)	≤15min (From 20°C to 100°C)
Cooling Time	N/A	≤30min (From RT to RT -20°C)
Power Supply	AC100-120V or AC200-240V - 50/60Hz	
Fuse	250V 4.0A & 3.0A Φ5x20	250V 3.0A Φ5x20
Dimension (DxWxH)	300x220x195mm	300x225x195mm
Net Weight	7 kg	8.5 kg

## Block Types For TS Series Thermal Shaking Incubators



### Block Types for TS Series ;

Type	Capacity	Max. Temperature	Max. Speed (RPM)
A-Block	96x0.2ml	100°C	1500
B-Block	54 x 0.5ml	100°C	1500
C-Block	35 x 1.5ml	100°C	1500
D-Block	35 x 2.0ml	100°C	1500
E-Block	15 x 0.5ml + 20 x 1.5ml	100°C	1500
F-Block	24 x Diameter ≤12mm	100°C	1200
G-Block	12 x 15ml	100°C	750
H-Block	6 x 50ml	100°C	750
I-Block	103 x 67 x 30mm Bath Block	100°C	1500
J-Block	96 x 0.2ml Microplate	100°C	1500
K-Block	24 x 5ml	100°C	1200
L-Block	96-Deep Well Plate	80°C	800
M-Block	15 x 5ml Eppendorf Tubes	100°C	1200

