

Thermo Scientific Thermal Mixer

A versatile mixer offers variable speed and temperature control with a choice of blocks for microtubes and microplates.



- Heating and cooling capability to cover a wide range of applications
- Compact size with quiet operation
- Convenient packages that include Thermal Mixer with a block

Features

- Fast heat-up and cooling times and quick to reach specified mixing speed
- Temperature range : +4°C to 100°C
- Temperature control range : 15°C below ambient to 100°C
- Shaking speed : 250 to 1400 rpm
- Temperature stability : ±0.1°C
- Even mixing across the thermoshaker block
- Excellent uniformity across the block
- Digital timer with sound alarm : 1 min to 96 hours
- Temperature calibration function – Compensate for differences in the thermal behavior of different tubes and samples
- Choice of 5 interchangeable blocks

- LCD Display indicates the set and actual time of operation, mixing speed, and temperature
- Heating/Cooling and mixing functions can be run each other

Common Applications

- Genetic analysis
- DNA and RNA extraction
- Sample preparation
- Biochemical studies of enzymatic reactions and processes
- Extraction of metabolites from cellular material
- Incubation
- Agitation
- Digestion
- Samples/standards for peptide mapping

Dimensions (H x D x W)	130mm x 230mm x 205mm
Weight	4 kg
Temperature Setting Range	4°C to 100°C
Temperature Control Range	15°C below ambient to +100°C
Temperature Uniformity Over Block	At 4°C ±0.6°C/ at 37°C ±0.1°C/ at 100°C ±0.3°C
Temperature Display	LCD
Average Heat Up Speed	5°C/min from +25°C to +100°C
Average Cooling Speed from 100°C to 25°C at 25°C to 4°C	5°C/min (approx. 15 mins) 1.8°C/min (approx. 8 mins)
Shaking Speed	250 to 1400 rpm
Orbit Diameter	2 mm
Timer (with auto-off and audible alarm)	1 min to 96 hours (1 min increment)
Heating/Cooling Power	60 W
Input Voltage	12V DC
Input Current	4.16 A
External Power Supply	120-240V
Maximum Noise	53.8 dB
Plug Types	US, EU, UK, China, AUS/NZ plug
Certification	CE
Warranty	2 years, see representative for details.

Convenient Package Ordering - With one part number you receive a Thermal Mixer and a block.

See block sizes below. Order using corresponding package part number.

Description	Part No.
20 X 0.5 ml microtubes and 12 x 1.5 ml microtubes	13687720
24 X 1.5 ml microtubes	13687717
24 x 2.0 ml microtubes	13687718
20 X 0.2 ml microtubes and 12 x 1.5 ml microtubes	13687719
96-well microplates* or tube strips (0.2 ml)	13687721

Package ordering valid in NA and EU.

Order Separately

Order components individually by selecting the part number below.

Description	Part No.
Thermo Scientific Thermal Mixer, US, EU, UK (blocks not included)	13687711
Thermo Scientific Thermal Mixer, AUS/NZ/China, (Blocks not included)	13687722
Block, 20 X 0.5 ml microtubes and 12 x 1.5 ml microtubes	13687715
Block, 24 X 1.5 ml microtubes	13687712
Block, 24 x 2.0 ml microtubes	13687713
Block, 20 X 0.2 ml microtubes and 12 x 1.5 ml microtubes	13687714
Block, 96-well microplates* or tube strips (0.2 ml)	13687716

*Block will accept non-skirted and semi-skirted round bottom plates.