# Heat Cool Thermo Mixers

**Features**

- Heat/Cool and Heat only Thermo Mixers
- Accurate Temperature control and excellent mixing performance
- Microprocessor control ensures superior temperature stability and uniformity
- Programmable Heating, Cooling, and Mixing Sequences
- Large LCD touchscreen for intuitive navigation and programming
- Durable, low-noise Brushless DC motor
- Interchangeable modules with automatic detection function
- Auto resumption after power failure
- Comes with a standard block module (block for 24 x 1.5mL tubes)

# Heat Cool Thermo Mixers

| PN | Module | Photo | Capacity | Max. Temperature | Max. Speed |
|---|---|---|---|---|---|
| TMX2405 | 24x0.5ml | | 24x0.5ml tubes | 100°C | 2000rpm |
| TMX2420 | 24x2.0ml | | 24x2.0ml tubes | 100°C | 2000rpm |
| TMX2412 | 24x12mm | | 24x12mm tubes | 100°C | 2000rpm |
| TMX2415 | 24x1.5ml | | 24x1.5ml tubes | 100°C | 2000rpm |
| TMX096 | 96-well PCR Plate | | 96-well PCR Plate | 100°C | 2000rpm |
| TMX0450 | 4x50ml | | 4x50ml tubes | 100°C | 1000rpm |
| TMXMPB | Microplate Block | | Microplate deepwell plate | 100°C | 3000rpm |
| TMX384 | 384-well PCR plate | | 384-well PCR plates | 100°C | 3000rpm |

# Heat Cool Thermo Mixers

| Name | Heat Cool Thermo Mixer | Heat Only Thermo Mixer | Heat Cool Incubator |
|---|---|---|---|
| Model | TMX100C | TMX100 | DBI100C |
| Type | Heating/Cooling/Mixing | Heating/Mixing | Heating/Cooling |
| Speed Range | 250 to 3000rpm | 250 to 3000rpm | / |
| Mixing Orbit (Diameter) | 3.0mm | 3.0mm | / |
| Temperature Control Range | Ambient-15°C to 100°C | Ambient +5°C to 100°C | Ambient -15°C to 100°C |
| Recommended Ambient Temperature | 10°C to 30°C | | |
| Temperature Setting Range | 0°C to 100°C | | |
| Display | 7-inch Color Touchscreen | | |
| Sample Capacity | 0.1ml to 50ml | | |
| Standard Module | 1.5ml x 24-Well Plate | | |
| Temperature Accuracy | ±0.2°C at 20-40°C<br>±0.5°C at < 20°C or > 40°C | | |
| Temperature Uniformity | ±0.5°C | | |
| Temperature Stability | ±0.5°C | | |
| Temperature Resolution | 0.1°C | | |
| Heating Rate (4 options) | Full Power, 5°C/min., 2°C/min., 1°C/min. | | |
| Cooling Rate (4 options) | Full Power, 2°C/min., 1°C/min., 0.5°C/min. | / | Full Power, 2°C/min., 1°C/ min., 0.5°C/min. |
| Programs | Programmable up to 5 Steps | | |
| Cycle Times | Up to 999 times | | |
| Calibration | 4 Calibration Points (10°C/40°C/70°C/95°C) | | |
| Timer | 0-99h 59min 59s | | |
| Additional Features | Pre-Heating, Power Failure Recovery | | |
| Output | 300W (max.) | | |
| Power Supply | 110-220V AC, 50Hz/60Hz | | |
| Weight (including standard module) | < 10kg | < 10kg | < 8kg |
| Dimension (L x W x H) | 332 x 227 x 185mm (including standard module, without lid) | | |