

# MTS200/400 Microplate Thermo Shaker 100-1600 rpm

## Heating/Shaking



LCD



Smart air circulation

Download Catalogue



RT+5°C to 70°C



### LCD 4.3 inch Display

Microcomputer control temperature and oscillation frequency with timing functions, Built-in power-off protection can automatically resume operation after power on.



### High Precision speed Control

Speed control : Intelligent Brushless DC motor, High speed accuracy, Slow start design, Auto lock if speed out of control.



### Timing function with audio alarm

time range 1min to 9999min



### Smart Shaking method

Continuous or timing shaking, audio alarm after expire settings time, with automatic function switch off.



### Intelligent Brushless DC motor

Prevent graphite pollution, maintenance free,

- Thin film heating and PID intelligent temperature control technology.
- PID fuzzy control technology can accurately ensure the precision of temperature control and automatically adjust the heating rate to save waiting time.
- The product greatly shortens the time of experimental operation and is an ideal automation tool for sample incubation, catalysis and other reaction processes.
- Small size, light weight, easy to operate, one-key knob operation, simple and easy to use, microprocessor control of temperature and time, good temperature control linearity and small fluctuation
- With up and down heating function, so that each module can be heated evenly, using high quality switching power supply, the whole machine is stable and reliable for long-term operation, built-in software and hardware double over-temperature protection device, safe and reliable use
- Multi-protection function, meets the safety standard of CE, can put up to 4 microtiter plates or culture plates
- LCD operation interface, real-time display of operating information and setting information, convenient to observe the operating status of the equipment
- It can set the incubation time arbitrarily within the range of 1-9999min, and the beep will be issued automatically when the timer is finished
- the function of power failure recovery, when the external power supply is disconnected and comes back to power, the equipment can automatically resume the operation according to the original setting program.



MTS200



MTS400

|                                 | Microplate Thermo Shaker Incubator   |                                    |
|---------------------------------|--|------------------------------------|
| Model                           | MTS200   | MTS400                             |
| Capacity                        | 2 x microtiter or deep well plates   | 4 x microtiter or deep well plates |
| Temperature range               | RT+5°C-70°C  |                                    |
| Heating method                  | Peltier  |                                    |
| Mixing speed                    | 100-1600rpm  |                                    |
| Temp. control accuracy          | ±0.3°C   |                                    |
| Temp. uniformity                | ±0.5 °C  |                                    |
| Resolution temperature accuracy | 0.1 ° C  |                                    |
| Max heating speed:              | 5,5°C/min  |                                    |
| Mixing amplitude                | 3mm  |                                    |
| Speed accuracy                  | ±1rpm  |                                    |
| Display                         | TFT 4.3 inch   |                                    |
| Drive mode                      | Multidimensional drive   |                                    |
| Over heating protection         | Yes  |                                    |
| Cooling System                  | No   |                                    |
| Rated power                     | 180W   | 200W                               |
| Timer                           | 1min to 9999min  |                                    |
| Running function                | Setting or program running, timing running, automatic stop, quick stop start, one-button illumination, two-way automatic switching |                                    |
| Temperature Sensor              | Pt100 A Class  |                                    |
| Additional features             | Temp. deviation correction, menu button lock, power failure memory   |                                    |
| Power supply (50/60Hz)          | AC220V±10%/50/60Hz   |                                    |
| Overall dimension<br>WxDxH      | 280x270x140mm  | 329x359x172                        |
| NW / GW kg                      | 9/10   | 10/11                              |
| Optional accessories            | Blocks, Thermo Lid, communication port,  |                                    |

Please note

If this Incubator does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

## COLO LabExperts

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