

# MTP200

**Thermo Shaker for Microplates · Heating and Shaking Platform · Two-Plate Capacity**

**MTP200 Thermo Shaker for Microplates** is a compact bench-top laboratory instrument designed for controlled incubation and shaking of ELISA microplates, 96/384-well microplates and 96-well tissue culture plates. The system combines dry heating, orbital shaking and timed operation in one practical platform for routine bio-analytical, diagnostic, research and quality control workflows.

MICROPLATE THERMO SHAKER    RT+5°C TO 80°C    200–1600 RPM    2 MICROPLATES    TIMER 1 MIN–99H59MIN

HEATING FILM    BRUSHLESS DC MOTOR    PID TEMPERATURE CONTROL    150 W    7.0 KG

Document type: **Technical Specification Sheet**

Product model: **MTP200 Thermo Shaker for Microplates**

Application formats: **ELISA microplates · 96/384-well microplates · 96-well tissue culture plates**

Format: **A4 landscape · COLO.Science TechSpec v2.3 · Stable six-page layout**



MTP200 · thermo shaker for microplates · main unit

MODEL  
**MTP200**

ADDRESS / HQ  
**Polje ob Sotli 4  
SI-3255, Slovenia**

CONTACT  
**sales@colo.si  
+386 64 222 724**

# MTP200 · technical specification

Bench-top microplate thermo shaker with controlled heating, shaking and timing

RT+5°C TO 80°C
200–1600 RPM
TWO MICROPLATES
PID CONTROL
BRUSHLESS DC MOTOR
HEATING FILM
1 MIN–99H59MIN TIMER
— Dedicated microplate incubation and shaking platform

## Product Overview

### Application profile

**ELISA workflows:** shaking and incubation of ELISA microplates in routine diagnostic and research work.

**Microplate formats:** suitable for 96/384-well microplates and 96-well tissue culture plates.

**Bio-analytical work:** supports enzyme reactions, incubation steps, reagent mixing and temperature-controlled plate handling.

**Bench-top use:** compact footprint for daily laboratory operation without transferring plates between separate devices.

### Design and handling advantage

**Two-plate capacity:** allows simultaneous handling of two microplates or culture plates.

**Stable heating:** heating film method supports controlled microplate incubation up to 80°C.

**Repeatable shaking:** 200–1600 rpm shaking range supports routine microplate mixing protocols.

**Long protocols:** timer setting from 1 minute to 99 hours 59 minutes supports short and extended workflows.

### Key features

**Temperature range:** RT+5°C to 80°C for controlled heating of microplates and culture plates.

**Temperature accuracy:** ≤ ±0.5°C with 0.1°C display accuracy.

**Uniformity:** ≤ ±0.5°C temperature uniformity across the working area.

**Heating time:** ≤ 10 minutes from room temperature to 80°C.

**Motor system:** brushless DC motor for stable operation and reduced maintenance.

**Control system:** PID intelligent temperature control for consistent incubation conditions.

### Core technical summary

| Parameter         | Specification                       |
|-------------------|-------------------------------------|
| Model             | MTP200                              |
| Product type      | Thermo shaker for microplates       |
| Temperature range | RT+5°C to 80°C                      |
| Shaking speed     | 200–1600 rpm                        |
| Capacity          | 2 pcs microplates or culture plates |
| Timer             | 1 min to 99 h 59 min                |
| Power             | 150 W                               |
| Dimensions        | 280 × 270 × 140 mm                  |
| Weight            | 7.0 kg                              |

TEMPERATURE RANGE

RT+5°C to 80°C

SHAKING SPEED

200–1600 rpm

CAPACITY

2 microplates

TIMER

1 min–99h59min

## Technical Specifications

### Main technical data

| Parameter              | Specification  |
|------------------------|--|
| Product                | MTP200 Thermo Shaker for Microplates   |
| Application format     | ELISA microplates, 96/384-well microplates and 96-well tissue culture plates |
| Temperature range      | RT+5°C to 80°C   |
| Temperature accuracy   | ≤ ±0.5°C   |
| Display accuracy       | 0.1°C  |
| Temperature uniformity | ≤ ±0.5°C   |
| Heating time           | ≤ 10 minutes from room temperature to 80°C                                   |
| Time setting           | 1 minute to 99 hours 59 minutes  |
| Shaking speed range    | 200 to 1600 rpm  |
| Heating method         | Heating film   |
| Capacity               | 2 pcs microplates or culture plates  |
| Motor / control        | Brushless DC motor and PID intelligent temperature control                   |
| Power                  | 150 W  |
| Voltage                | AC 220 V or 110 V / 50–60 Hz   |
| Dimensions W × D × H   | 280 × 270 × 140 mm   |
| Weight                 | 7.0 kg   |

### Operation and selection notes

| Topic               | Technical note  |
|---------------------|---|
| Workflow type       | Dedicated heating and shaking platform for microplate-based workflows.                |
| Plate capacity      | Designed for two microplates or culture plates at the same time.                      |
| Temperature profile | Heating-only system, suitable when active cooling is not required.                    |
| Routine use         | Useful for ELISA, enzyme reactions, PCR sample preparation and biochemical protocols. |
| Control method      | PID intelligent temperature control supports stable incubation conditions.            |
| Mixing range        | 200–1600 rpm range covers common plate shaking protocols.                             |
| Instrument size     | Compact 280 × 270 × 140 mm bench-top format for routine laboratory placement.         |
| Power setup         | Voltage version should be confirmed before order confirmation.                        |

#### Specification note

**Plate selection:** confirm ELISA, PCR, 96-well culture plate or 384-well microplate format.

**Heating requirement:** verify that RT+5°C to 80°C is suitable for the intended protocol.

**Throughput:** confirm whether two-plate capacity is sufficient for routine laboratory work.

Technical values are provided for orientation and product selection. Final delivery configuration, voltage version and documentation should be confirmed through the official COLO.Science quotation or order confirmation.

## Functional Summary and Visual Support

### Temperature control

**Heating range:** RT+5°C to 80°C.

**Heating method:** heating film for microplate incubation.

**Control:** PID intelligent temperature control.

**Display:** 0.1°C display accuracy.

### Shaking performance

**Speed range:** 200 to 1600 rpm.

**Capacity:** two microplates or culture plates.

**Motor:** brushless DC motor for stable operation.

**Use:** repeatable plate mixing workflows.

### Laboratory operation

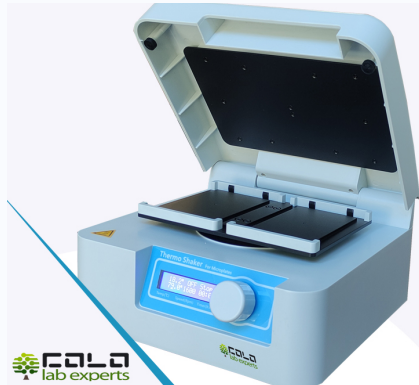
**Timer:** 1 min to 99 h 59 min.

**Handling:** bench-top microplate operation.

**Protocols:** enzyme, ELISA and PCR preparation workflows.

**Use level:** daily routine laboratory work.

## Microplate Chamber and Configuration Reference



MTP200 open unit view · Microplate chamber reference

### Configuration checklist

**Plate format:** confirm ELISA microplate, PCR plate, 96-well culture plate or 384-well microplate format.

**Temperature requirement:** confirm the target incubation temperature and whether 80°C maximum is sufficient.

**Shaking requirement:** confirm required speed range and protocol tolerance for 200–1600 rpm.

**Capacity requirement:** confirm whether two-plate capacity is enough for routine throughput.

**Voltage version:** confirm AC 220 V or 110 V before procurement.

### Practical configuration note

**Dedicated microplate platform:** MTP200 is selected when the laboratory primarily works with microplates or culture plates.

**Not a tube-block system:** for tube-specific interchangeable blocks, a different thermo shaker platform may be more suitable.

**Heating-only workflow:** for active cooling, choose a cooling thermo shaker model instead.

**Routine plate work:** ideal for two-plate incubation and shaking in ELISA, biochemical and research workflows.

### Configuration notice — microplate workflow must be confirmed before quotation

MTP200 is a dedicated microplate thermo shaker. Final suitability should be confirmed according to plate format, working temperature, shaking speed, protocol duration, voltage version and required throughput.

## Typical Applications

### ELISA and microplates

Shaking and incubation of ELISA microplates.  
Support for 96/384-well microplate formats.  
Routine bio-analytical and diagnostic plate workflows.

### Enzyme reactions

Enzyme reactions and enzyme deactivation steps.  
Temperature-controlled reagent mixing.  
Repeatable incubation conditions for laboratory protocols.

### PCR preparation

PCR sample preparation workflows.  
Short-term handling of DNA libraries and enzymes.  
Temperature-controlled biological and biochemical samples.

## Standard Delivery and Ordering Notes

### Standard delivery reference

**Main unit:** MTP200 Thermo Shaker for Microplates.  
**Power cable:** voltage version to be confirmed before order.  
**Documentation:** user manual or quick-start documentation according to current delivery set.  
**Configuration:** final delivery content depends on quotation and order confirmation.

### Recommended selection questions

Which plate format will be used: ELISA, PCR, 96-well culture plate or 384-well plate?  
Is the required workflow heating only, or is active cooling required?  
What shaking speed range is required for the protocol?  
Is two-plate capacity sufficient for routine throughput?  
Which voltage version is required for the laboratory?

## Model and Capacity Summary

| Model  | Capacity                       | Temperature range | Shaking range | Power | Dimensions / weight         |
|--------|--------------------------------|-------------------|---------------|-------|-----------------------------|
| MTP200 | 2 microplates / culture plates | RT+5°C to 80°C    | 200–1600 rpm  | 150 W | 280 × 270 × 140 mm / 7.0 kg |

### Ordering note

Exact delivery content may depend on current catalog status, order confirmation, voltage version and procurement documentation. Before ordering, confirm the intended plate format, laboratory voltage, required temperature range, shaking speed and protocol duration.

MANUFACTURER AND SUPPORT

## COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

**Selection guidance:** Send the plate format, working temperature, required shaking speed, protocol duration and throughput requirements. COLO.Science can help confirm whether MTP200 is suitable for your microplate incubation and shaking workflow.

QUICK CONTACT

 [colo.si](https://colo.si)

 [sales@colo.si](mailto:sales@colo.si)

 +386 64 222 724

COLO.SCIENCE · MTP200 MICROPLATE THERMO SHAKER SUPPORT

## Need help confirming the correct microplate shaker configuration?

Send the plate format, incubation temperature, shaking speed, protocol duration and throughput requirements. COLO.Science can help confirm whether MTP200 is the right thermo shaker for your laboratory workflow.

[Explore colo.si](https://colo.si)

[Email sales](mailto:sales@colo.si)

[Call](tel:+38664222724)

Web: [colo.si](https://colo.si)

**Official configuration and manufacturer-confirmed specification notice:**

This technical specification is provided for orientation, product selection and general information only. It does not represent the final binding technical specification, delivered configuration, accessory set, procurement requirement or acceptance criterion for a specific unit. The final official technical specification is only the specification confirmed by the manufacturer and issued for the exact configuration through an official COLO.Science quotation, proforma invoice, contract document, order confirmation or manufacturer-approved technical offer. Any values, options, accessories or configurations shown in this document must be verified for the specific delivery and should not be used as an exclusion or elimination criterion in procurement procedures without written manufacturer confirmation.