

# T200 Dual-block Thermal Cycler

## Introduction

T200 is a qualitative thermal cycler with dual blocks which are independent controlled, the advanced peltier technology brings accurate temperature control, and make the cycles reaches up to a million times. It's an ideal thermal cycler for researches of life sciences in most labs.



## Features

- Small footprint, compact design
- Two independent controlled blocks
- 3 high precise peltiers for each block
- Good temperature uniformity reduce edge effect
- Peltier based technology, max heating up rate 6°C /sec
- 1024x768 pixel, 8 -inch color touch screen Automatically power failure recovery
- Gradient range 30°C

## Product parameters

|   |  |                                     |                |                                   |                      |
|---|--|-------------------------------------|----------------|-----------------------------------|----------------------|
| Model                                       | T200                                     | Temperature display accuracy        | 0.1°C          | Max. Cycles                       | 99                   |
| Voltage                                     | 100~240V, 50/60Hz                        | Gradient temperature range          | 30-105°C       | Max. Steps                        | 30                   |
| Tubes applied                               | 0.2ml microtubes, 8 x 0.2ml tubes strips | Gradient Set Span                   | Max. 30°C      | Power failure recovery            | Yes                  |
| Temperature Control ways                    | Block/Tube                               | Gradient Temperature                | ≤ ±0.3°C       | Pause function                    | Yes                  |
| Block Temperature                           | 4~105°C                                  | Gradient Temperature Accuracy       | ≤ ±0.3°C       | 16°C Temperature Holding Function | Infinite duration    |
| Timer                                       | 1s~59min59sec/ (0 means infinite)        | Numbers of Gradient                 | 12             | LCD display                       | Touch screen display |
| Capacity                                    | Double 48x0.2ml                          | Heating Lid Temperature range       | 30°C ~110°C    | Operation system                  | Linux                |
| Block Temperature Accuracy                  | ≤ ±0.2°C                                 | Timer Increasing / Decreasing       | -599s ~ 599s   | Touch screen type                 | Capacitive           |
| Block Temperature Uniformity                | ≤ ±0.25°C                                | Temperature Increasing / Decreasing | -9.9°C ~ 9.9°C | Communication port                | USB2.0               |
| Heating Up Rate (Max.)                      | 6°C / s                                  | Touchdown PCR                       | Yes            | Max. Power                        | 800W                 |
| Cooling down Rate (Max.)                    | 5°C / s                                  | Long PCR                            | Yes            | Size (W×D×H)                      | 400x260x228mm        |
| Adjustable range of heating up/cooling down | 0.1~6 °C / s                             | Programs stored                     | 10000+         | Net weight                        | 9kg                  |