



## **Touch Thermal Cycler (Basic) LD-LTCB-A10**

**Labodam Equipment Ltd.**

**[info@labodam.com](mailto:info@labodam.com) | [www.labodam.com](http://www.labodam.com)**

# Touch Thermal Cycler (Basic) LD-LTCB-A10

## Overview

Touch Thermal Cycler (Basic) LTCB-A10 comes with customized 8 pcs long service life Marlow (US) peltier heating units. Each thermal block has 4 independent temperature control sensors. With 5°C/s maximum ramping rate, this cycler saves operation time of user. Its 8 inch TFT touch screen with graphical real time display. With Windows OS, PC control function, print function, large storage capacity, USB connection, this cycler meets latest experimental demands.

## Features:

- 8" TFT color screen for easy monitoring
- High heating and cooling rate
- Step less adjustable hot lid with pressure protection
- Built in 11 standard program file template for quick editing of files
- Real time display to show running status of experiment
- One-click quick incubation function to meet different experimental needs
- Internal flash memory for 10000 typical PCR files
- User-friendly setting for hot lid temperature and hot lid work mode
- Auto restart after power failure
- Easy view of actual and target temperatures in real time
- Support USB and LAN to update software
- Supports email alert function when experiment is over

## Applications:

Widely used in PCR applications in research and development, food science, pharmaceuticals, life science, animal diagnostics and analytical laboratories.

## Specifications:

|                      |                                                   |
|----------------------|---------------------------------------------------|
| <b>LCD</b>           | 8 inch 800×600 Pixels, 16 colors TFT touch screen |
| <b>Print</b>         | Yes                                               |
| <b>Weight</b>        | 8.5 kg                                            |
| <b>Program</b>       | 10000 +(USB FLASH)                                |
| <b>Capacity</b>      | 96 × 0.2 ml                                       |
| <b>Cooling Rate</b>  | 4 °/s                                             |
| <b>Heating Rate</b>  | 5 °/s                                             |
| <b>Power Supply</b>  | 85 to 264 V AC , 47 to 63 Hz , 600 W              |
| <b>Communication</b> | USB 2.0 , LAN                                     |

|                                        |                       |
|----------------------------------------|-----------------------|
| <b>Pause Function</b>                  | Yes                   |
| <b>Max No. of Steps</b>                | 30                    |
| <b>Max No. of Cycles</b>               | 99                    |
| <b>Auto Data Protection</b>            | Yes                   |
| <b>Dimension ( L×W×H )</b>             | 380 × 240 × 260 mm    |
| <b>Temperature Uniformity</b>          | ± 0.2 °C              |
| <b>Block Temperature Range</b>         | 0 to 100°C            |
| <b>Ramping Rate Adjustable</b>         | 0.1 - 5 °C/min        |
| <b>Temperature Control Mode</b>        | Block \ Tube          |
| <b>Time Increment/Decrement</b>        | 1 sec to 9 min 59 sec |
| <b>Hot Lid Height Adjustable</b>       | Stepless Adjustable   |
| <b>Hot-lid Temperature Range</b>       | 30 to 110°C           |
| <b>Temperature Control Accuracy</b>    | ± 0.1 °C              |
| <b>Temperature Increment/Decrement</b> | 0.1 to 9.9°C          |