



**TOUCH THERMAL CYCLER (BASIC)**

**LD-LTCB-A13**

Touch Thermal Cycler (Basic) LD-LTCB-A13 with customized 6 pcs long service life peltier heating units. With 5°C/s maximum Ramping rate, this cycler saves operation time of user. It has 3 × (32 × 0.2 ml) capacity and temperature ranges from 0 to 100°C. Designed with 8-inch TFT touch screen with graphical real time display. Features with PC control function, print function, large storage capacity, USB connection, this cycler meets latest experimental demands. Adopts 3 blocks independently controlled and run 3 different PCR programs simultaneously. It is used in advanced PCR applications across research and development etc.

## Features

- Designed with 6 long service life Peltier heating unit and form 3 circuits to control 3 temperature zones
- High heating and cooling rate, maximum ramping rate is 5°C/s
- Reinforced aluminum module with anodizing technology and rapid heating-conducting property, have enough corrosion resistance
- Designed with 8 inch, 800 × 600 pels, TFT LCD display
- Step less adjustable hot lid with pressure protection, fit tubes of different heights to melt and avoid tube evaporation
- Adopts 3 blocks independently controlled and run 3 different PCR programs simultaneously
- Built-in 11 standard program file template, quickly edit the required files
- Equipped with one click incubation function such as denaturation enzyme cutting/enzyme-link and ELISA
- Automatic restart after power failure, when power is restored to continue to run unfinished program
- GLP report records every step to provide accurate data support for experiment result analysis
- Offers login management, three-tier permission, password protection function to ensure data security
- Support USB and LAN to update software
- Support Email alert function when experimental is over

## Applications

Touch Thermal Cycler is used in used in advanced PCR applications across research and development, animal and plant tissue culture, food science, pharmaceuticals, life science, and analytical laboratories.

## Specifications

Model No.	LD-LTCB-A13
Capacity	3 × (32 × 0.2 ml)
Temperature Range	0 to 100°C
Heating Rate	5 °C/s
Cooling Rate	4 °C/s
Uniformity	≤± 0.3°C
Accuracy	≤± 0.2°C
Display Resolution	0.1°C
Temperature Control	Block\Tube
Ramping Rate Adjustable	0.1 to 5°C
Hot Lid Temperature	30 to 110°C
Hot Lid Height Adjustable	Step less Adjustable
Number of Programs	10000 + (USB FLASH)
Max. No. of Step	30
Max. No. of Cycle	100
Time Increment / Decrement	1 Sec to 600 Sec
Temperature Increment / Decrement	0.1 to 10.0 °C
Pause Function	Yes
Auto Data Protection	Yes
Long PCR function	Yes
Hold at 4 °C	Forever
Language	English
Print	Yes
LAN to computer	Yes
LCD	8 inch, 800 × 600 pels, TFT
Communication	USB 2.0, LAN
Dimension	390 × 270 × 255 mm

Power consumption	600 W
Power Supply	85 to 264 VAC, 47 to 63 Hz, 600 W
Weight	9 kg