



Touch Thermal Cycler (Gradient) LD-LTCG-A21

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Overview

Touch Thermal Cycler (Gradient) LTCG-A21 with customized 8 pcs long service life Marlow (US) peltier heating units, allows double block gradient function by forming 4 circuits to control 4 temperature zones. 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
- Two blocks independently control and runs 2 different PCR programs simultaneously
- 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 advanced PCR applications across research and development, animal and plant tissue culture, food science, pharmaceuticals, life science, and analytical laboratories.

Specifications:

LCD	8 inch 800×600 Pixels, 16 colors TFT touch screen
Print	Yes
Weight	8.5 kg
Program	10000+(USB FLASH)
Capacity	48×0.2ml and 30×0.5ml
Cooling Rate	4 °/s
Heating Rate	5 °/s
Power Supply	85 to 264 V AC , 47 to 63 Hz , 600 W
Communication	USB 2.0 , LAN

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