Touch Thermal Cycler (Gradient) LTCG-A Series

Touch Thermal Cycler (Gradient) LTCG-A1 Series

Touch Thermal Cycler (Gradient) LTCG-A1 Series comes with customized 8 pcs long service life Marlow (US) peltier heating units. 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 inch TFT color screen for easy monitoring
- High heating and cooling rate
- Stepless adjustable hot lid with pressure protection
- Built in in II 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

Application

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

Specifications

Model	LTCG-A10	LTCG-A11	LTCG-A12
Capacity	96 × 0.2 ml	60 × 0.5 ml	384 well
Block Temperature Range	0 to 100ºC		

Temperature Control Accuracy	≤ ± 0.1 ºC
Ramping Rate Adjustable	0.1- 5 ºC
Temperature Uniformity	≤ ± 0.2 ºC
Heating Rate	5 ºC/s
Cooling Rate	4 ºC/s
Temperature Control Mode	Block \ Tube
Hot-lid Temperature Range	30 to 110ºC
Hot Lid Height Adjustable	Stepless Adjustable
Max No. of Steps	30
Max No. of Cycles	99
Time Increment/Decrement	1 sec to 9 min 59 sec
Temperature Increment/Decrement	0.1 to 9.9ºC
Program	10000 +(USB FLASH)
Pause Function	Yes
Auto Data Protection	Yes
Print	Yes
LCD	8 inch, 800×600 Pixels, 16 colors TFT touch screen
Communication	USB 2.0 , LAN
Power Supply	85 to 264 V AC , 47 to 63 Hz , 600 W
Dimension (L×W×H)	380 × 240 × 260 mm
Weight	8.5 kg

Touch Thermal Cycler (Gradient) LTCG-A2 Series

Touch Thermal Cycler (Gradient) LTCG-A2 Series comes 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 inch TFT color screen for easy monitoring

❐ High heating and cooling rate

❐ Stepless adjustable hot lid with pressure protection

❐ Built in in II 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

Application

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

Specifications:

Model	LTCG-A20	LTCG-A21
Capacity	Double Block System (each block with 48× 0.2 ml)	Double Block System (48× 0.2 ml and 30× 0.5 ml)

Block Temperature Range	0 to 100ºC
Temperature Control Accuracy	≤ ± 0.1 ºC
Ramping Rate Adjustable	0.1- 5 ºC
Temperature Uniformity	≤ ± 0.2 ºC
Heating Rate	5 ºC/s
Cooling Rate	4 ºC/s
Temperature Control Mode	Block \ Tube
Hot-lid Temperature Range	30 to 110ºC
Hot Lid Height Adjustable	Stepless Adjustable
Max No. of Steps	30
Max No. of Cycles	99
Time Increment/Decrement	1 sec to 9 min 59 sec
Temperature Increment/Decrement	0.1 to 9.9ºC
Program	10000 +(USB FLASH)
Pause Function	Yes
Auto Data Protection	Yes
Print	Yes
LCD	8 inch, 800×600 Pixels, 16 colors TFT touch screen
Communication	USB 2.0 , LAN
Power Supply	85 to 264 V AC , 47 to 63 Hz , 600 W
Dimension (L×W×H)	380 × 240 × 260 mm
Weight	8.5 kg