

# LT-241 TOUCH SCREEN PCR THERMAL CYCLER

32 WELL



## ACCESSORIES

- ✓ Instruction manual
- ✓ USB cable
- ✓ Software



## PRODUCT FEATURES

- ✓ The most advanced peltier-based semiconductor technology;
- ✓ Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance;
- ✓ High heating and cooling rate, max. Ramping rate 5 C/s, can save your precious time;
- ✓ Scalable hot lid fits tubes of different heights;
- ✓ TFT color capacitive touch screen ( 5 inches, 800×480 pels), graphical menu navigation interface, very easy to operate;
- ✓ Built-in 11 standard program file template, can quickly edit the required files;
- ✓ Folder management, user can build directory;
- ✓ The running program and left time can be displayed in real time , allow to edit file when program is running;
- ✓ One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA;
- ✓ Hot lid temperature and hot lid work mode can be set to meet different experiment's need;
- ✓ Automatic restart after power failure. When power is restored it can continue to run unfinished program;
- ✓ Support USB to store and copy PCR data, user can control PCR by USB mouse;
- ✓ Update software by USB and LAN;
- ✓ WiFi module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection.
- ✓ Support email-alert function when experiment is over.

## TECHNICAL SPECIFICATIONS

Single step time range	1-59m59s
Hot cover temp. range	30-110°C
Temp. range	4-99.9°C
Max. steps of the program	30
Sample capacity	32 x 0.2ml
Program max. cycle number	99
Max. heating rate	6°C/s
Time increment/decrement	-599 to +599s
Max. cooling rate	5°C/s
Temp. increase/decrease	-9.9 to +9.9°C
Temp. uniformity	+0.20°C
Program pause function	Yes
Temp. accuracy	±0.10°C
16°C Insulation	Forever
Temp. display resolution	0.1°C
LCD	5 inch, 800 x 480 Pixel
Temp. control method	Block\Tube
Program storage quantity	>100
Gradient temp. uniformity	+0.2°C
Communication Interface	USB 2.0
Gradient temp. accuracy	+0.2°C
Input power	24V , 8A
Gradient temp. range	30-99.9°C
Dimensions(W*D*H)	200 x 230 x 85mm
Gradient temp. difference range	0.1-30°C
Net weight	3.2 kgs