

PCR THERMAL CYCLER

ALH PTC-2400 & ALH PTC-241



PCR THERMAL CYCLER

TOUCH SCREEN

ALH PTC-2400

PRODUCT FEATURES :

- Excellent implication due to high quality semi conductor
- Industrial grade operation system, can work 7x24 hs.
- 30°C gradient range, ideal for protocol optimization
- 5 inch touch screen, easy to edit, operate, save programs
- Data saved to USB flash memory
- Impact design, small size
- Extremely quiet
- High precise temperature with good uniformity, quick heating up and cooling down benefit from advanced thermoelectric
- Cooling and PID technologies



TOUCH
SCREEN



ACCURATE
& STABLE



USB
CONNECTIVITY



EASY
OPERATION



24
HOURS
WORKING

ACCESSORIES :

- Instruction manual
- USB cable
- Software



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TECHNICAL SPECIFICATION :

Capacity	96x0.2m1 (PCR plate without/semi skirt), 122d3x0.2m1 strips, Bx12x0.2m1 strips, 0.2ml tubes (height 20-23mm)
Voltage	Ac100-240V,50/60Hz
Temp Control ways	Block or Tube
Block Temperature °Range	4 -99.9°C
Timer	1s-99min 59sec/inflate
Block Temperature Accuracy	±0.2°C
Block Temperature Uniformity	±0.25°C
Heating Up Rate (average)	3°C
Cooling down Rate (average)	2.5°
Max. Heating, Rate	4.5°C/s
Max-Cooling Rate	4.0°C/s
Gradient	Max. 30°C. Accuracy ±0.3°C
Gradient Temperature Accuracy	±0.3°C
Block Temperature Accuracy	0.1°C
Heating Lid Temperature Range	RT +30°-105°C
Automatically Heating Lid	Shut off automatically when sample lower than 30°C or program over
Timer Increasing/ Decreasing	-9.9-9.9 for touchdown PCR
Programs stored	>100
Max-Cycles	99
Max. Steps	30
Program Pause Function	Yes
16°C Temperature Holding Function	Infinite
Real-time operation	Image-text displayed
Interface Port	USB 2.0
Dimension (WxDxH)	200x300x170
Weight	4.5 kg

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ALH PTC-241

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.

32 well



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TECHNICAL SPECIFICATION :

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 0.2m1
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