

## PCR-RP series Thermal Cycler

PCR-RP series thermal cycler has Android operation system and 10.1 inch capacitive touch screen. Operation is very smooth and simple. Air channel is in front and back and it allows machine placed side by side. Self-adapting pressure hot lid makes closing lid and tightening lid in one step. It has long service life peltier heating units and max. ramping rate is 8°C/S. WiFi unit is built in and user can control many units of PCR through mobile App.



### Feature ▼

- Long service life Peltier heating units.
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance.
- High ramp rate, Max. Ramping rate 8°C/s.
- Self-adapting pressure hot lid makes closing lid and tightening lid in one step.
- Air channel is in front and back and it allows machine placed side by side.
- It has android system and 10.1 inch LCD, and has graphical menu navigation interface and simple operation.
- Built-in 11 standard program file template, can quickly edit the required files.
- 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.
- Email notification after experiment is over.



# Specification ▼

Model No.	PCR-RP (A)	PCR-RP (B)	PCR-RP (C)
Capacity	96×0.2ml	6×16×0.2ml	96×0.2ml
Tube	0.2ml tube, 8 strips, 96 wells plate		
Temperature Range	0 ~ 105°C		
MAX. Ramp Rate	5°C/s	6°C/s	8°C/s
Uniformity	≤±0.2°C		
Accuracy	≤±0.1°C		
Display Resolution	0.1°C		
Temperature Control	Block\Tube		
Ramping Rate Adjustable	0.1 ~ 5°C	0.1 ~ 6°C	0.1 ~ 8°C
Gradient Temp. Range	30 ~ 105°C		
Gradient Type	Nolinear Gradient	Dynamic Gradient	Two-Dimensional Gradient
Gradient Spread	1 ~ 42°C	Zone:1 ~ 5°C, six zones	Horizontal : 1 ~ 30°C Vertical : 1 ~ 24°C
Hot Lid Temperature	30 ~ 115°C		
Number of Programs	20000 +(USB FLASH)		
Max. No. of Step	30		
Max. No. of Cycle	100		
Time Increment/Decrement	1 Sec ~ 600 Sec		
Temp. Increment/Decrement	0.1 ~ 10.0°C		
Pause Function	Yes		
Auto Data Protection	Yes		
Hold at 4°C	Forever		
Touchdown Function	Yes		
Long PCR Function	Yes		
Language	English		
Computer Software	Yes		
Mobile phone APP	Yes		
LCD	10.1 inch, 1024×600 pels		
Communication	USB2.0 , WIFI		
Dimensions	385mm× 270mm× 255mm (L×W×H)		
Weight	10kg	10kg	15kg
Power Supply	100-240VAC , 50/60Hz , 600 W	100-240VAC , 50/60Hz , 600 W	100-240VAC , 50/60Hz,1200W