



PCRSG-500

## PCRSG-500, Smart Gradient PCR

- Features:** Convenient and flexible module replacement mode • Sealed sample design for low temperature preservation, clean and dry • Two-stage hot lid pressure regulator, ensures good sealing performance • Gold-plated or silver-plated module, improves the efficiency of heat conduction, makes the experiment more effective • Large size and color super-high-definition LCD screen • Intuitive and user-friendly interface, makes programming quick and easy • Infinitely adjustable lid knob, suitable for various types of the tube • Memory function in case of power-down • Low noise, low energy consumption, long application life • Hot lid could be stopped at any angle • Metal material lid, more reliable and safe • Hard disk and mouse can be linked • Linked with PC for its multiple control • Windows operating system.
- Convenient, free-charge program upgraded.
  - Long distance trouble judgment.
  - Achieve Circulation nesting.
  - 110-220v international general voltage.



### Reliable guarantee for the accuracy of the temperature

Temperate extended control mode which is closer to required experiment temperature control and is able to effectively avoid the system error caused by the disaccord of the temperature points among the instrument's display temperature, actual block temp. and the temperature required for reagents. So as to improve the accuracy of the experiment and ensure the high efficiency. Strict temperature control debugging program makes sure that each instrument can meet the needs of different experiment. 12 channel temp. probes detect simultaneously, which ensure the homogeneity of sample temp. The hermetic-space technique can efficiently eliminate PCR margin reaction. The technique of outside temperature probe tracing the inside curve testing can effectively ensure the accuracy of sample temperature.

Model	PCRSG-500
Capacity	96x0.2mL(A) ,54x0.5mL(B), 96x0.2mL+77x0.5mL(C), 384well(D)
Temp range	0°C~99°C (Rt≤30°C)
Max. Heating rate	≥ 4.5°C/s
Max. Cooling rate	≥ 4°C/s
Heating / Cooling rate	0.1°C/s ~ 4°C/s (Adjustable)
Uniformity	≤ ±0.2°C (After 10s)
Accuracy	≤ ±0.1°C
Gradient temp rang	30~99°C
Gradient spread	1~30°C
Hot lid temp	20~110°C
Environment model	automatic identification
Temp control	block, tube (10~100µl can be used), calculated
Stored program	1000
Max. no. of cycle	999
Display	5.7"LCD
Communication	USB2.0, Rs232, RJ45, LAN
Size (mm)	380mm(L)x270mm(M)x250mm(H)
Weight	7.8kg



PCR-200

## PCR-200, Mini PCR

- Features:** Small-sized and easy to program with intuitive user interface • The lid adopts the high temperature resistant material and applicable to various types of test tube • Memory function in case of power-down • Two control mode: PCR or control through PC operation software • It is benefit for students to understand with the animation presentation capabilities of the PC operating software • Achieve Circulation nesting.

Model	PCR-200
Capacity	25x0.2mL(A), 9x0.5mL(B), 16x0.2mL+9x0.5mL(C).
Temp range	0°C~99.9°C(Rt≤30°C)
Max. Heating rate	≥2°C/s
Max. Cooling rate	≥2°C/s
Uniformity	≤ ±0.3°C(constant 20s)
Accuracy	±0.2°C
Temp control	block
Stored program	3
Max. no. of cycle	99
Display	12864LCD
Communication	Serial Port
Size (mm)	160mm(L)x140mm(M)x120mm(H)
Weight	2.2kg