

# PR-96 Gradient PCR Instrument

## Thermal Cycler

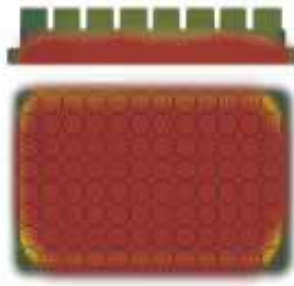
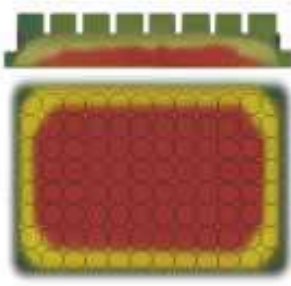
### Introduction

The gene amplification instrument is mainly used for gene amplification in scientific research, qualitative PCR gene amplification, fluorescence / enzyme immune endpoint quantitative DNA gene amplification, gene chip and other analytical applications of gene amplification, etc.

### Feature

1. Exquisite appearance, exquisite processing, clever heat dissipation design.
2. Optional test tube temperature control mode and block temperature control mode to meet more different experimental needs.
3. 8-inch TFT high-definition full-touch color screen can be used to edit the required files quickly, the temperature curve is intuitively displayed, the setting is convenient and quick, and the temperature curve and the operating process status of the instrument are accurately displayed in real time.
4. The system has a built-in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions. Real-time display of gradient distribution and real-time temperature display are more conducive to controlling sample temperature.
5. User login, authority management, password protection function to ensure data security, the administrator can clear users, large data storage capacity, the maximum storage file in the machine is more than 100.
6. The ingenious design of the hot cover can effectively control the heat in the hot cover, and the effect of preventing evaporation is excellent; the stepless adjustable hot cover can adapt to most test tubes in the market. The temperature of the hot lid and the working mode of the hot lid can be set, and the hot lid can be switched on and off.
7. Built-in independent rapid constant temperature incubation function to meet the experimental needs of denaturation, enzyme digestion/enzyme connection, and ELISA.
8. Insert the mouse into the USB port to operate the instrument, and support importing and exporting programs from U disk and updating the system.





Using the latest generation of imported semiconductor technology, excellent amplification performance, effectively eliminating the edge effect of heat conduction of the block, and excellent temperature uniformity of the block.



Seiko manufactures high-quality aluminum blocks processed by surface anodizing technology, which not only retains fast thermal conductivity, but also has sufficient corrosion resistance.

## Details



Heat cover design: excellent anti-evaporation effect; stepless adjustable heat cover, which can adapt to most test tubes in the market.

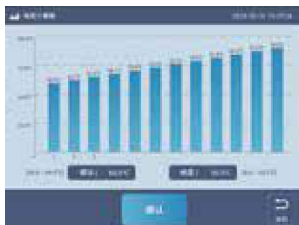


Air intake from the back and exhaust at the bottom. Other instruments and equipment can be placed close to both sides of the instrument to save experiment space.



8-inch high-definition full touch color screen, friendly human-computer interaction interface, simple operation.

## User Interface



**Gradient interface**  
system built-in gradient calculator



**Running interface**  
Real-time display of gradient distribution, real-time temperature display



**Thermostatic incubation interface**  
Meet the experimental needs of enzyme digestion/enzyme connection, ELISA, etc.



**User login interface**  
(more than 100 files can be stored)  
Administrator can clear users.

## Parameter

Model	PR-96	Single step time range	1-59m59s, 0 is forever
Temp. range	4~99.9°C	Hot lid height adjustment	Adjustable
Sample capacity	96x 0.2ml	Max. steps of the program	30
Max. heating rate	4.5°C/s	Program max. cycle numbers	99
Max. Cooling rate	4°C/s	Time increment / decrement	-599~599s
Temp. uniformity	±0.25°C	Temp. increase / decrement	-9.9~9.9°C
Temp. accuracy	±0.20°C	Program pause function	Yes
Temp. display resolution	0.1°C	16°C insulation	Forever
Temp. control method	Block\Tube	LCD screen	8 inches
Temp. change rate	0.1~5.0°C	Program storage quantity	>100
Gradient temp. uniformity	±0.3°C	Communication Interface	USB2.0 , LAN
Gradient temp. accuracy	±0.3°C	Input power	AC220V , 50Hz
Gradient Temp. range	30~99.9°C	Fuse	250V, 8A Φ5x20
Gradient setting range	0.1~30°C	Dimensions	W.390 x D.270 x H.255mm
Hot cover Temp. range	30~110°C	Net weight	8.5kgs