

## RDBL-PR-384E GRADIENT PCR MACHINE



### Description:

Gradient PCR instrument is a gene amplification instrument with gradient PCR function derived from ordinary PCR instrument. It is widely used in molecular biology, criminal investigation, disease research and other fields.

### Excellent Block Temperature Uniformity

The latest generation of semiconductor technology- excellent augmentation performance, effectively eliminate the edge effect of module heat conduction, the module temperature uniformity is excellent. Built-in multi-channel refrigeration firm, several sensors are evenly distributed, the program temperature control is more precise.

### Gradient calculation Real-Time Display

- 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 temperature distribution, real-time temperature display, more conducive to controlling the sample temperature.

## Unique Temperature Control Technology

The hot lid temperature and working mode can be set, hot lid can be switched on an off, and test tube temperature control mode and module temperature control mode can be choose to meet more different experimental requirement.

### Technical Parameters:

Model	RDBL-PR384E
Single step time	1-59m59s(0 is forever)
Program max.cycle nu	99
Sample capacity	384x0.04ml
Max heating rate	4.5°C/s
Max. Cooling rate	4°C/s
Temp. uniformity	±0.25°C
Temp. accuracy	±0.20°C
Temp. display resolution	0.1°C
Temp. control method	Block/Tube
Gradient temp. uniformity	±0.3°C
Gradient. Temp. accuracy	±0.3°C
Gradient temp. range	30-99.9°C
Gradient temp. different range	0.1~30°C
Hot cover temp. range	30~110°C
Max. steps of the program	30
Temp. range	4-99.9°C (Constent temperature 4°C)
Time increament/decrement	599 ~+599s
Temp. increase/decrease	9.9~9.9°C
Program pause function	yes
16°C Insulation	Forever



LCD	5 inch, 800x480 Pixel
Program storage quantity	>100
Communication interface	USB 2.0
Input power	100-240V AC6.6~3 1A 50/60Hz
Dimension	W.185xD.280xH.160mm
Net Weight	4.3 kgs