


## DESCRIPTION

The PC-96 gradient PCR instrument is a gene amplification instrument with gradient function derived from ordinary PCR instruments, which is widely used in fields such as molecular biology, medicine, food industry, and gene detection

## Product Features

- Beautiful appearance, compact size, and compact structure;
- Adopting high-performance silent axial fans, the machine operates more quietly during operation;
- It has a 30 ℃ grace gradient function, which can be used to optimize experimental conditions and meet demanding experimental requirements;
- 5-inch high-definition color touch screen, intuitive and easy to operate, can easily edit, save, and run programs;
- Industrial grade operating system, which can easily achieve continuous error free operation for 7x24 hours;
- Quickly transfer data to USB flash memory, easily backup programs, and improve data storage capabilities.
- Advanced semiconductor refrigeration technology and unique PID temperature control technology have achieved a new level of overall performance: high temperature control accuracy, fast temperature rise and fall rate, and uniform module temperature;

# Specification

| | |
|---|---|
| Product name | Gradient Thermal Cycler PCR |
| Model | PC-96 |
| temperature control | Block or Tube |
| Module temperature range | 4~99.9℃ |
| Time range | 1s~99min59sec/Infinite length |
| Module temperature accuracy | ±0.2℃ |
| Module temperature uniformity | ±0.25℃ |
| Heating rate (average) | 3℃ |
| Cooling rate (average) | 2.5℃ |
| Max. heating rate | 4.5℃ /S |
| Max. cooling rate | 4.0℃ /S |
| Gradient | Maximum temperature of30 ℃, accuracy of ± 0.3 ℃ (running 12 columns simultaneously with increasing temperature from left to right) |
| Gradient temperature uniformity | ±0.3℃ |
| Temperature module display accuracy | 0.1℃ |
| Hot cover temperature range | Room temperature: 30 ℃~105 ℃ |
| Communication | USB 2.0 |
| Dimension (W x D x H) | 200x300x170 mm |
| Weight | 4.5kg |