

# PCR - 3000

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## Gradient PCR



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ►► Introduction

PCR 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 and cycle times rs more than 1000.000 The two-dimensional gradient function can present 96 temperature combinations at one time, and accurately explore the denaturation and annealing temperature. Wifi unit is built in and user can control many units of PCR through mobile App.

## ►► Features

- Long service life Peltier heating units.
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance.
- High heating and cooling rate, max. Ramping rate 8°C/s, can save your precious time.
- 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 operation system and 10.1 inch capacitive touch screen. It has graphical menu navigation interface and operation is very simple.
- 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.

|                           |  |
|---------------------------|--|
| Model No                  | PCR-3000   |
| Capacity                  | 96x0.2ml   |
| Tube                      | 0.2ml tube,8 strips,Halfskirt96 wells plate.No skirt96 wells plate |
| Temperature Range         | 0-105°C  |
| MAX.Ramp Rate             | 5°C/s  |
| Uniformity                | ≤ ±0.2°C   |
| Accuracy                  | ≤ ±0.1°C   |
| Display Resolution        | 0.1°C  |
| Temperature Contro        | Block\Tube   |
| Ramping Rate Adjustable   | 0.1-5°C  |
| Gradient Temp. Range      | Gradient Temp. Range   |
| Gradient Type             | Normal Gradient  |
| Gradient Spread           | 1-42°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 at4°C                | Forever  |
| Touchdown Function        | Yes  |
| Long PCR Function         | Yes  |
| Language                  | English  |
| Computer Software         | Yes  |
| Mobile phone APP          | Yes  |
| LCD                       | 10.1 inch, 1280x800 pels   |
| Communication             | USB2.0, WIFI   |
| Dimensions                | 385mm x270mm x255mm (LxWxH)  |
| Weight                    | 10kg   |
| Power Supply              | 100-240VAC, 50/60Hz, 600 W   |

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**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

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**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

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Water purification  
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## Regulatory compliances



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Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



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3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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