

# TC1000-G

## Thermal Cycler Gradient

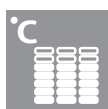
# TC1000-S

## Thermal Cycler Standard

Elegant design, excellent precision and accurate, reproducible results and precise PCR optimization

High performance with advanced thermal gradient technology, state-of-the-art electronics, precision peltier device and flexible user interface.

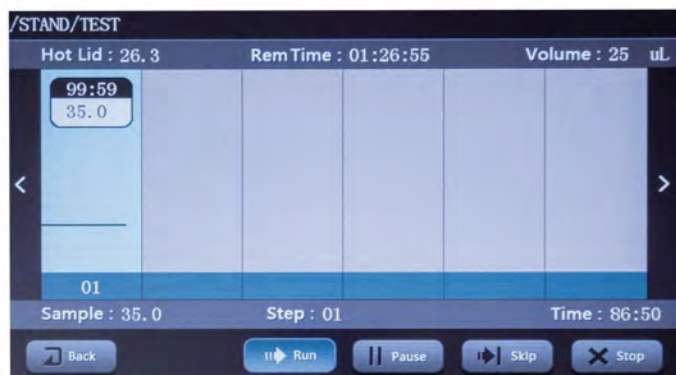
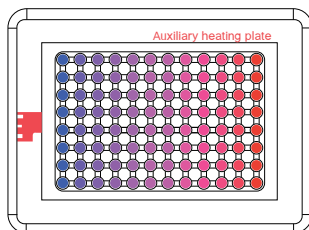
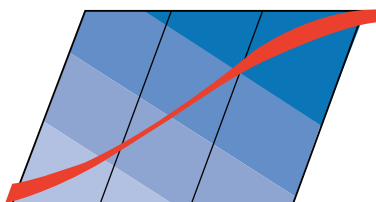
The TC1000G/S is an essential laboratory instrument for molecular biology with applications such as sequencing, gene cloning, gene expression, mutagenesis, and it is also used in areas such as drug discovery, agriculture, food industry, etc.



Excellent temperature uniformity



Temperature gradient

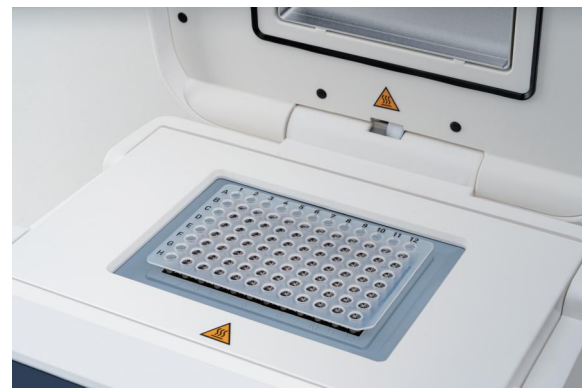


## Features

- High performance Peltier and independent heating segments improving temperature control
- Auxiliary heating mechanism diminishes the "edge effect" and enhance the temperature uniformity
- Wide touchdown PCR temperature range (-9.9°C~+9.9°C) and Long PCR time range (-9min 59s~+9min 59s)
- Gradient temperature setting optimizes temperature easily in the single run
- Color touch screen with user friendly interface helps to edit programs easily

# More features

- Wide options of consumables: common PCR tubes, 8-well PCR strips and 96-well PCR plates can be used
- File customization, multi-file storage
- Power failure protection function, automatic program recovery
- Hot lid auto-off function: If module temperature is lower than 30 °C, the hot lid function will automatically turn off



LCD touch panel



Excellent temperature accuracy

| Technical Parameters                   | TC1000-G                                                              | TC1000-S                                                              |
|----------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| Sample Capacity                        | 96×0.2mL PCR tube<br>12×0.2mL PCR-8 strips<br>0.2mL 96 PCR Microplate | 96×0.2mL PCR tube<br>12×0.2mL PCR-8 strips<br>0.2mL 96 PCR Microplate |
| Heating Temperature Range /°C          | 4~105                                                                 | 4~105                                                                 |
| Lid Temperature Range /°C              | 30~110                                                                | 30~110                                                                |
| Temperature Display Accuracy /°C       | ±0.1                                                                  | ±0.1                                                                  |
| Temperature Display Accuracy@55°C      | ±0.3                                                                  | ±0.3                                                                  |
| Temperature uniformity@55°C            | <0.3                                                                  | <0.3                                                                  |
| Max. Heating/Cooling Rate              | 5°C/Sec                                                               | 5°C/Sec                                                               |
| Gradient Temperature Setting Range /°C | 30~99°C                                                               | -                                                                     |
| Gradient Range /°C                     | 1~42°C                                                                | -                                                                     |
| Adapter block material                 | Aluminum                                                              | Aluminum                                                              |
| Display                                | 7" LCD 800x480                                                        | 7" LCD 800x480                                                        |
| Input                                  | Touch panel                                                           | Touch panel                                                           |
| User defined file system               | Max.30 segments 99 cycles,<br>and storage for over 200 files          | Max.30 segments 99 cycles,<br>and storage for over 200 files          |
| Power off protection                   | Yes                                                                   | Yes                                                                   |
| Voltage,Frequency                      | 100~120V/200~240V, 50/60Hz                                            | 100~120V/200~240V, 50/60Hz                                            |
| Dimension[WxDxH]                       | 280x370x250 mm                                                        | 280x370x250 mm                                                        |
| Weight                                 | 11kg                                                                  | 11kg                                                                  |