DRAWELL
Artist of Science

TC1000-G-Pro Thermal Cycler Gradient

Introductions

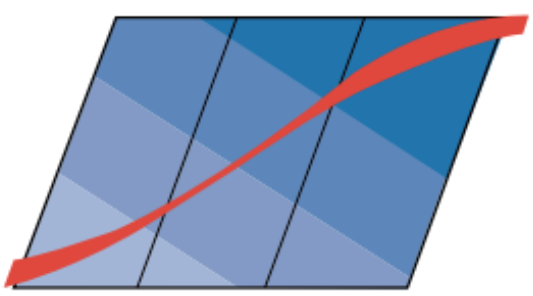
Elegant in design, precise and accurate, with high repeatability, specifically designed for PCR optimization, the TC1000-G-pro Thermal cycler supports Touchdown PCR and Long PCR experiments. It features advanced gradient temperature control technology and high-performance, durable peltier heating and cooling, allowing for precise temperature control indifferent zones. Its edge temperature compensation technology ensures outstanding temperature uniformity. Through gradient settings, experimental conditions can be easily optimized.

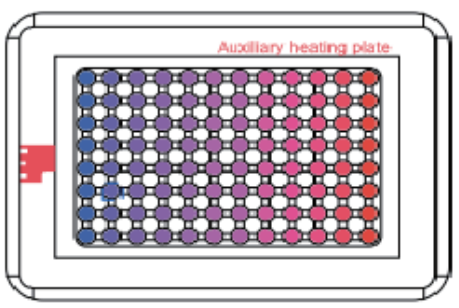
Introductions

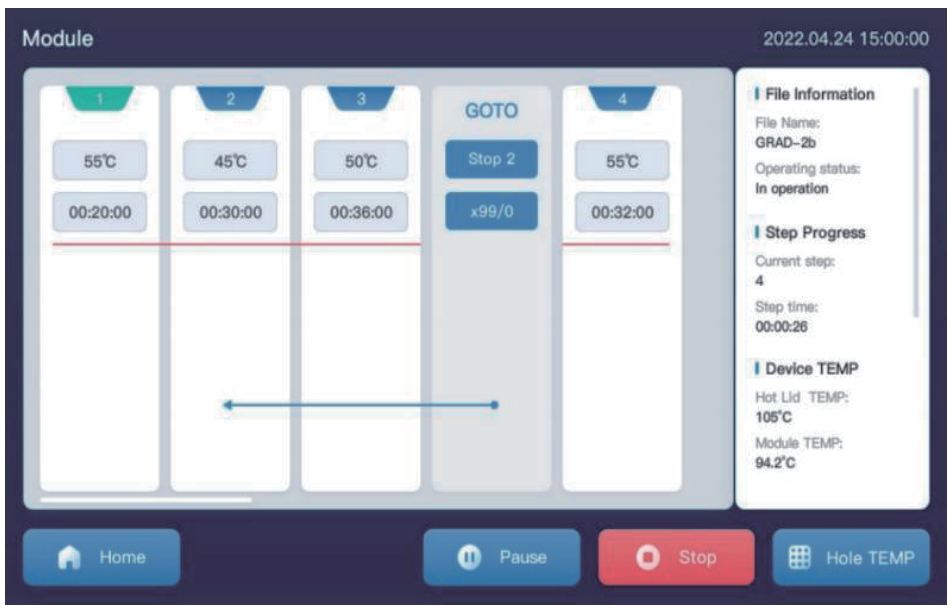
The TC1000-G-Pro is a fundamental instrument in molecular laboratories, widely used in gene detection, molecular cloning, gene expression, mutagenesis, and other tasks, involving fields such as drug discovery, agriculture, and the food industry.

Features

- Featuring a brand-new UI user interface, the graphical menu is simple and easy to use, with a color touch panel that makes it easier for users to edit programs.
- It includes an automatic power-off protection feature that automatically completes unfinished cycles upon power restoration, ensuring the amplification process runs safely.
- The system supports Touchdown PCR (-9.9°C to +9.9°C) and Long PCR (-9min 59s to +9min 59s) experiments.
- The hot lid temperature and working mode can be set to meet various experimental needs, with the hot lid function automatically turning off when the heating module's temperature is below 30°C.
- A one-touch quick incubation feature is available to meet the needs of denaturation, enzyme digestion/ligation, ELISA, and other experiments.





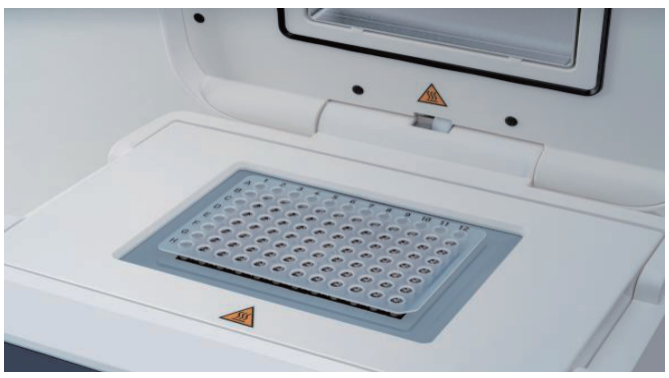


●Compatible with common PCR tubes, 8-strip tubes, and 96-well PCR plates with no skirt, half-skirt, and full-skirt.

●Real-time display of program progress and remaining time, with the option to set user security accounts and passwords according to different customer needs.

●Built-in WIFI module allows for connection to a computer via a local area network (LAN), enabling simultaneous control of multiple PCR instruments.

●USB interface supports saving and retrieving PCR data via USB drive, software updates through USB and LAN, and customization of programs to meet the storage needs for multiple files.



Specifications

Model	**TC1000-G-Pro**
Sample Capacity	**96×0.2mL PCR tube** **12×0.2mL PCR-8 strips** **1×0.2mL 96-well PCR plate**
Module	**1×96**
Sample module temperature control range [℃]	**0-105**
Hot lid temperature control range [℃]	**30-115**
Temperature display accuracy [℃]	**0.1**
Temperature control accuracy [℃]	**±0.1**
Temperature uniformity (at 55 ℃) [℃]	**±0.2**
Maximum rate of temperature change	**5℃/Sec**
Gradient Temp Setting Range [℃]	**30-105**
Gradient span [℃]	**1-42℃, enter 0 to turn off the gradient.**
Temperature Control Method	**Block/Tube**
Material of the carrier module	**Aluminum**
Display	**7 inches，LCD 1024×600**
Input method	**Touch panel**
Power off protect	**Yes**
Communication Interface	**USB，WIFI**
Number of program storage	**20000+ (USB FLASH)**
User Defined File System	**Up to 30 steps and 99 cycles in a single program**
Power Supply	**100-120V/200-240V,50/60HZ,600W**
Dimensions [W×D×H]	**296×370×295mm**
Weight	**9.5kg**
Permissible ambient temperature and humidity	**5-40℃，80%RH**