

TC1000-G-pro

Gradient gene amplification instrument

TC1000-S+

Isometric gene amplification instrument

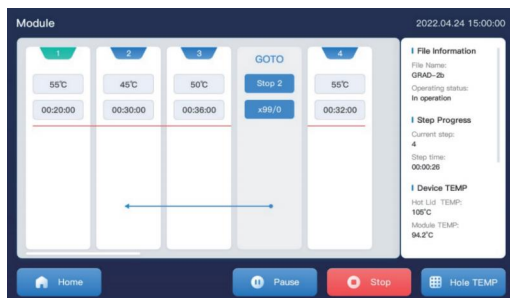
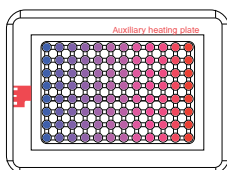
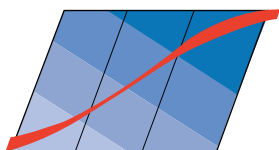
Elegant in design, precise and accurate in precision, with high repeatability of results, specially designed for PCR optimization, supporting Touchdown PCR and Long PCR experiments. Equipped with advanced gradient temperature control technology, high-performance and long-lasting Peltier refrigeration and heating, it can achieve precise temperature control in different zones and edge temperature compensation technology, with excellent temperature uniformity performance. Through gradient setting, experimental conditions can be easily optimized. TC1000-S+/G-Pro gene amplification instrument is a basic instrument in molecular laboratories, widely used in gene detection, molecular cloning, gene expression, mutagenesis and other fields, involving drug discovery, agriculture, food industry and other fields.



Excellent temperature uniformity



Temperature gradient



Features

- A brand new UI user interface, simple and easy-to-use graphical menus, color touch panels, making it easier for customers to edit programs
- Automatic power-off protection, automatically executes incomplete cycles after power restoration, ensuring safe operation of the amplification process
- Support Touchdown PCR (-9.9 °C ~ +9.9 °C) and Long PCR (-9min 59s ~ +9min 59s) experiments (TC1000-G-Pro only)
- The temperature and working mode of the hot cover can be set to meet different experimental needs. When the temperature of the heating module is below 30 °C, the hot cover function will be automatically turned off
- One click rapid incubation function, meeting the needs of denaturation, enzyme digestion/enzyme-linked immunosorbent assay, ELISA and other experiments

- Compatible with common PCR tubes, 8-row tubes, 96 well PCR plates without skirt edges, semi skirt edges
- Real time display of program progress and remaining time, setting user security accounts and passwords according to different customer needs
- Built in WIFI module, connected to a local area network through a computer host, allowing for simultaneous control of multiple PCR machines by one machine
- USB interface, supports USB inventory/PCR data retrieval, supports USB flash drive and LAN software updates, customizable programs, and meets multiple file storage functions



LCD touch panel



Excellent temperature accuracy



Technical parameter	TC1000-S+	TC1000-G-Pro
Picture		
Sample Capacity	96×0.2mL PCR tube 12×0.2mL PCR-8 strips 1×0.2mL 96-well PCR plate	96×0.2mL PCR tube 12×0.2mL PCR-8 strips 1×0.2mL 96-well PCR plate
Module	1X96	1X96
Sample module temperature control range [°C]	0-105	0-105
Hot lid temperature control range [°C]	30-115	30-115
Temperature display accuracy [°C]	0.1	0.1
Temperature control accuracy [°C]	±0.1	±0.1
Temperature uniformity (at 55 °C) [°C]	±0.2	±0.2
Maximum rate of temperature change	5°C/Sec	5°C/Sec
Gradient Temp Setting Range [°C]	-	30-105
Gradient span [°C]	-	1-42°C, enter 0 to turn off the gradient.
Temperature Control Method	Block/Tube	Block/Tube
Material of the carrier module	Aluminum	Aluminum
Display	7 inches, LCD 1024×600	7 inches, LCD 1024×600
Input method	Touch panel	Touch panel
Power off protect	Yes	Yes
Communication Interface	USB, WIFI	USB, WIFI
Number of program storage	20000+ (USB FLASH)	20000+ (USB FLASH)
User Defined File System	Up to 30 steps and 99	Up to 30 steps and 99
Power Supply	100-120V/200-240V,50/60HZ,600W	100-120V/200-240V,50/60HZ,600W
Dimensions [WxDxH]	296×370×295mm	296×370×295mm
Weight	9.5Kg	9.5Kg
Permissible Ambient Temperature and Humidity	5-40°C, 80%RH	5-40°C, 80%RH