

# TC1000-G-pro

## Gradient gene amplification instrument

# TC1000-S

## Isometric gene amplification instrument

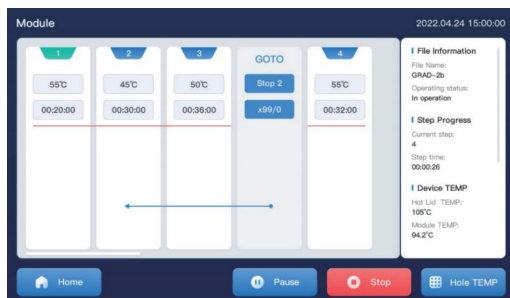
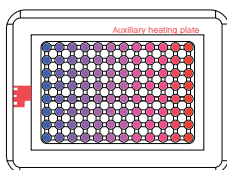
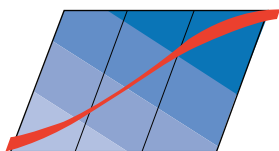
Elegant in design, precise and accurate in precision, with high repeatability of results, specially designed for PCR optimization, supporting Touchdown PCR and Long PCR experiments. Equipped with advanced gradient temperature control technology, high-performance and long-lasting Peltier refrigeration 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, and full 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		
Compatible with sample specifications	96×0.2mL PCR tube 12×0.2mL PCR-8 strips 1×0.2mL 96-well plates	96×0.2mL PCR tube 12×0.2mL PCR-8 strips 1×0.2mL 96-well plates
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 (at 55 °C) [°C]	±0.1	±0.1
Temperature uniformity (at 55 °C) [°C]	±0.2	±0.2
Maximum temperature change rate	5°C/S	5°C/S
Gradient setting range [°C]	-	30-105
Gradient span [°C]	-	1-42, enter 0 to turn off the gradient.
Temperature control method	Block/Tube	Block/Tube
Material of the load-bearing module	Aluminum	Aluminum
Display	7 inches, LCD 1024×600	7 inches, LCD 1024×600
Input method	Touch Screen	Touch Screen
Computer upper computer communication interface	Yes	Yes
communication interface	USB, Wifi	USB, Wifi
User defined file system	20000+ (USB FLASH)	20000+ (USB FLASH)
Power outage protection	Yes	Yes
Power Supply	100-120V, 50/60Hz 200-240V, 50/60Hz	100-120V, 50/60Hz 200-240V, 50/60Hz
Size [length x width x height]	280×370×250mm	280×370×250mm
Weight	9.5Kg	9.5Kg