

# Thermal Cycler

Thermal cycler is essential laboratory instrument in the field of molecular biology research such as sequencing, gene cloning, gene expression, mutagenesis applications and applied market like drug discovery, agriculture, food industry, etc.

## Product Description:

High performance long life Peltier and independent control circuits for different heating segments implement accurate 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 (-9min59s~+9min59s)

Gradient temperature setting supported, optimizing temperature easily in the single run

User friendly interface on 7 inch color touch screen enable you edit the program very simple

The PCR touch screen pen improves the operation experience and reduces the cross contamination risk

## 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-off protection function, automatic program recovery

Hot lid auto-off function: If the module temperature is lower than 30° C, the hot lid function will automatically turn off



LCD touch panel



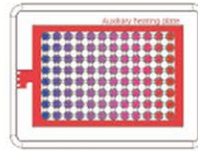
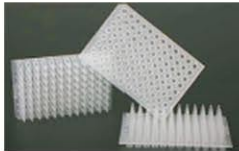
Excellent temperature accuracy



Excellent temperature uniformity



Gradient function



Parameters /Model	FTC1000-S	FTC1000-G
Sample Capacity	96X0.2mL PCR tube,8X12 PCR plate or 96 well plate	96X0.2mL PCR tube,8X12 PCR plate or 96 well plate
Heating Temperature Range	4-105°C	4-105°C
Lid Temperature Range	30-110°C	30-110°C
Temperature Display Accuracy	±0.1°C	±0.1°C
Temperature Control Accuracy [at 55°C]	±0.3°C	±0.3°C
Temperature uniformity[at 55°C]	<0.3°C	<0.3°C
Max. Heating/Cooling Rate	3°C/Sec	3°C/Sec
Gradient Temperature Setting Range		30-99°C
Gradient Range		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 max.16 folder and 16 files each folder	Max. 30 segments 99 cycles max.16 folder and 16 files each folder
Power off protection	Yes	Yes
Power Supply	100-120V/200-240V,50/60Hz	100-120V/200-240V,50/60Hz
Dimension [D×W×H] (without the heating block )Dimension [D×W×H]	280x370x250 mm	280x370x250 mm
Weight	11kg	11kg