

XG2000-GP High Performance Dual Block Gradient Thermal Cycler

XG2000-GP is a Qualitative Gradient Thermal Cycler (PCR) with dual blocks which are independent controlled, the advanced Peltier Technology brings accurate temperature control, and make the cycles reaches up to a million times. It's an ideal thermal cycler for researches of life sciences in most labs.

Features

- Small footprint, compact design
- Two independent controlled blocks
- 3-Peltiers for each block
- Good temperature uniformity reduce edge effect
- New generation Peltier Technology, max heating up rate 6°C / sec
- 1024x768 pixel, 8 -inch color touch screen Automatically power failure recovery



XG1000-G Gradient Thermal Cycler

XG-1000G Gradient PCR is ideal for thermal cycle and protocol optimization in molecular biology, medical, food, genetic testing, etc.

- Excellent amplification thanks to high quality semiconductor
- Industrial grade operating system, can work 24/7.
- 30°C gradient range, ideal for protocol optimization
- Easy program editing, operation and recording thanks to the 5" touch screen.
- Data recorded with USB flash drive is exported.
- Small size and ergonomic design
- Extremely quiet
- It benefits from high precision temperature, fast heating and cooling, advanced thermoelectric cooling and PID technologies with good uniformity.



XG1000-GP Gradient Thermal Cycler

The XG-1000GP is an Upgraded-Generation Thermal Cycler (PCR) based on our XG-1000G. Advanced Peltier Technology provides accurate temperature control and allows cycles to reach up to one million.

- It is an ideal thermal loop device for life sciences research in most laboratories.
- Compact design that takes up little space
- The right temperature thanks to 6 high quality eltiers
- Good temperature uniformity reduces the edge effect
- New generation Peltier Technology, maximum warming speed 6°C/s
- 1024x768 pixels, 8" color touch screen, automatic recovery in power failure
- Gradient range 30°C

TECHNICAL SPECIFICATIONS OF ALL THERMAL CYCLER MODELS

Model	XG-1000G	XG-1000GP	XG-2000GP
Capacity	96x0.2mL 0.2mL Microtubes, 8x0.2mL Tubes Strips, 96x0.2mL PCR Plate (without/semi skirted)		0.2mL Microtubes, 8x0.2mL Tubes Strips
Number of Peltier	3	6	6
Block Temperature Range	4-99.9°C	0-99.9°C	4~105°C
Block Temperature Uniformity	≤±0.25°C	≤±0.25°C	≤ ±0.25°C
Block Temperature Accuracy	≤±0.2°C	≤±0.2°C	≤ ±0.2°C
Heating Lid Temperature Range	30 - 105°C	30 - 105°C	30°C ~110°C
Heating Up Rate (Max.)	5°C/s	6°C/s	6°C /s
Cooling Down Rate (Max.)	4.5°C/s	5°C/s	5°C /s
Adjustable Range of Heating Up/Down Cooling	0.1 - 5°C/s	0.1 - 6°C/s	0.1~6 °C /s
Temperature Display Accuracy	0.1°C	0.1°C	0.1°C
Temperature Control Ways	Block / Tube	Block / Tube	Block / Tube
Gradient Temperatura Range	30 - 99.9°C	30 - 99.9°C	30-105°C
Gradient	Max. 30°C	Max. 30°C	Max. 30°C
Gradient Temperature Accuracy	≤±0.3°C	≤±0.3°C	≤±0.3°C
Numbers of Gradient	12	12	12
Max. Steps	30	30	30
Max. Cycles	99	99	99
Programs Stored	10000	10000	10000
Timer Increasing/Decreasing	-599s / 599s	-599s / 599s	-599s / 599s
Temperature Increasing/Decreasing	-9.9°C / 9.9°C	-9.9°C / 9.9°C	-9.9°C / 9.9°C
Power Failure Recovery & Pause Function	Yes	Yes	Yes
Touchdown PCR & Long PCR	Yes	Yes	Yes
16°C Temperature Holding Function	Infinite Duration	Infinite Duration	Infinite Duration
LCD Display	Touch Screen Display	Touch Screen Display	Touch Screen Display
Operation System	Linux	Linux	Linux
Touch Screen Type	Capacitive	Capacitive	Capacitive
Communication Port	USB 2.0	USB 2.0	USB 2.0
Power Supply	100/240V, 50/60Hz	100/240V, 50/60Hz, 700W	00~240V, 50/60Hz , 800W
Dimension (WxDxH)	200x300x170mm	400x260x228mm	400x260x228mm
Net Weight	4.5 Kg	8.5 Kg	9 Kg