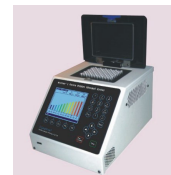


Thermal Cycler

Peltier-based Thermal Cycler



- High quality & durable premium peltier parts, extending life time of the machine
- **Large 5.7" color** high resolution display with step-based graphic representation of protocols, accelerating the programming procedure
- Built-in **USB port**, enabling unlimited protocol transactions
- Outstanding block uniformity, producing best possible result
- Fast ramping rate, saving experiment time



SYSTEM SPECIFICATIONS	Model MGL96+	Model MGL96G
HEATING and COOLING TECHNOLOGY	Newest Generation Peltier-based	
BLOCK CAPACITY	96wells × 0.2ml + 77wells × 0.5ml	
SAMPLE CAPACITY	0.2ml PCR tubes, 0.5ml PCR tubes, 8strips, 12strips, 96wells PCR plate, In-situ Plate	
LCD DISPLAY	5.7" diagonal illuminated color display (320*240 pixel, 256 color)	
LANGUAGE	English	
USB FLASH DRIVE	Unlimited with USB flash drive expansion	
PORTS	USB 2.0 Host and RS232	
In-situ Function	Available with a set of additional In-situ Plate	
TEMPERATURE FEATURE		
Block Temperature Range	0°C ~ 100°C	
Max. Block Heating Rate	Up to 3°C/sec	
Max. Block Cooling Rate	Up to 2°C/sec	
Block Uniformity	≤ ±0.2°C (30sec after reach temperature point set)	
Block Accuracy	≤ ±0.2°C (35°C-100°C)	
Display Resolution	0.1°C	
Mode of Temperature Control	Sim-tube & Block mode	
Ramping Rate Adjustable	Yes	
GRADIENT FUNCTION		
Gradient Accuracy	NO	≤ ±0.3°C (35°C-99.9°C)
Column Uniformity	NO	≤ ±0.3°C (30sec after reach temperature point set)
Gradient Range	NO	30°C ~ 99.9°C
Temp. Differential Range	NO	Max. 30°C
Gradient Capability	NO	12 Columns (Vertical)
PROGRAMMING FUNCTION		
Memory	120 programs installed, unlimited with USB flash drive expansion	
Max. Step	30 Steps, multiple nesting cycle available	
Max. Cycle	Normal cycle 100 (multiple nesting cycle 60000)	
Time Increment/Decrement	1 ~ 120sec, Long PCR available	
Temp. Increment/Decrement	0.1 ~ 10.0°C, Touchdown PCR available	
Auto Pause	Yes	
Auto Restart	Yes	
Hold at 4°C	Yes, Forever	
Running Time Display	Yes	
Real Time Clock	Yes, Battery buffered	
HEATED LID FEATURE		
Height of Heated Lid	Fully adjustable lid, accommodates a wide range of PCR tubes and plates	
Heated Lid Temperature	30°C ~ 105°C adjustable	
Auto Shut-off	When Block Temp. is below 30°C or after finish running	
OTHER SPECIFICATIONS		
Input Power	Wide Range Power Supply 110V±10%, 220V±25% 50/60Hz	
Power	Max. 600W	
Dimension (L×W×H)	335 × 240 × 270mm	
Net Weight	9.8kgs	