

CYL-008-1 Gradient Thermal Cycler

This gradient PCR is ideal for thermal cycling and protocol optimization in molecular biology, medical, food, genetic testing and etc.

Features:

- ◆ Impact design, small size
- ◆ Excellent amplification due to high quality Semiconductor
- ◆ High precise temperature with good uniformity, quick heating up and cooling down benefit from advanced thermoelectric cooling and PID technologies.
- ◆ Extremely quiet
- ◆ 30°C gradient range, ideal for protocol optimization
- ◆ 5-inch touch screen, easy to edit, operate, save programs
- ◆ Industrial grade operation system, can work 7x24hs
- ◆ Data saved to USB flash memory



Parameter:

Model	CYL-008-1
Voltage	AC100~240V, 50/60Hz
Capacity	96x0.2ml(PCR plate without/semi skirt), 12x8x0.2ml strips, 8x12x0.2ml strips, 0.2ml tubes (height 20~23mm)
Temperature Control ways	Block or Tube
Block Temperature Range	4~99.9°C
Timer	1s~99min59sec/0(infinity)
Block Temperature Accuracy	±0.2°C
Block Temperature Uniformity	±0.25°C
Heating Up Rate (average)	3°C /S
Cooling down Rate (average)	2.5°C /S
Max.Heating Rate	4.5°C /S
Max Cooling Rate	4.0°C /S
Gradient	Max. 30°C, Accuracy ±0.3°C
Gradient Temperature Accuracy	±0.3°C
Block Temperature Accuracy	0.1°C
Heating Lid Temperature range	RT+30°C ~105°C
Automatically Heating Lid	Shut off automatically when sample lower than 30°C or program over
Timer Increasing / Decreasing	- 599~599 S for Long PCR
Temperature Increasing / Decreasing	- 9.9~9.9°C for Touchdown PCR
Programs	>100
Max. Cycles	99
Max.Steps	30
Program Pause Function	YES
16°C Temperature Holding Function	Forever
Real-time operation status	Image-text displayed
Interface Port	USB 2.0
Power	750W
Dimension (WxDxH)	200x300x170 (mm)
Weight	4.5kg

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Structure and Test program

