

PC-96P Gradient Thermal Cycler

///Introduction

PC-96P is a upgraded generation thermal cycler on basis of our PC-96, the advanced peltier technology brings accurate temperature control, make the cycles reaches up to a million times. It' s an ideal thermal cycler for researches of life sciences in most labs.



• Operation interface



///Features

- Small footprint, compact design
- 6 high precise peltiers
- Good temperature uniformity reduce edge effect
- Peltier based technology, max heating up rate 6°C /sec
- 1024x768 pixel, 8 -inch color touch screen Automatically power failure recovery
- Gradient range 42°C

Product parameters

Model	PC-96P	Gradient temperature range	30-105°C
Voltage	100~240V, 50/60Hz	Gradient Set Span	0.1-42°C
Temperature Control ways	Block/Tube	Gradient Temperature Uniformity	≤ ±0.3°C
Block Temperature	0~105°C	Gradient Temperature Accuracy	≤ ±0.3°C
Timer	1s~9:99:99 or 0 (infinite duration)	Numbers of Gradient	horizontal gradient across 12 columns
Capacity	96x0.2ml	Heating Lid Temperature range	30°C ~110°C
Block Temperature Accuracy	≤ ±0.2°C	Timer Increasing / Decreasing	-599s ~ 599s
Block Temperature Uniformity	≤ ±0.25°C	Temperature Increasing / Decreasing	-9.9°C ~ 9.9°C
Heating Up Rate (Max.)	6°C /s	Touchdown PCR	Yes
Cooling down Rate (Max.)	5°C /s	Long PCR	Yes
Adjustable range of heating up/cooling down	0.1~6°C /s	Programs stored	>10000
Temperature display accuracy	0.1°C	Max. Cycles	100
Max. Steps	30	Touch screen type	Capacitive
Power failure recovery	Yes	Communication port	USB2.0
Pause function	Yes	Max. Power	1200W
16°C Temperature Holding Function	Infinite duration	Size (W×D×H)	400x260x228mm
LCD display	Touch screen display	Net weight	8.5kg
Operation system	Linux		
Tubes applied	0.2ml microtubes, 8 x 0.2ml tubes strips , 96 x 0.2ml PCR plate (without/semi-skirted)		