

PC-32 Mini Gradient Thermal Cycler

Introduction

This gradient Thermal Cycler is a mini size designed for thermal cycling and protocol optimization in molecular biology, medical, food, genetic testing and etc.



Features

- Small footprint, compact design
- High performance axial flow fan with low operation noise
- Adaptive elastic heating lid design to fit the tubes of different heights automatically
- Peltier based technology, max heating up rate 5°C / sec
- Good temperature uniformity reduce edge effect
- Real-time temperature display
- 800x480 pixel, 4.3 -inch color touch screen
- Automatically power failure recovery
- Auto heated lid: Heated lid be “OFF” automatically when sample temperature less than 30°C or program ends up.

Product parameters

Model	PC-32	Cooling Down Rate(Max.)	4°C /S	Max. Cycles	99
Capacity	32x0.2ml(microtubes), 4x8x 0.2ml (tubes strips)	Gradient Temperature Range	30 ~ 105°C	Max. Steps	30
Block Temperature Range	4~105°C	Gradient Set Span	Max. 30°C	Power failure recovery	Yes
Numbers of Peltier	2	Gradient Temperature Accuracy	±0.3°C	Pause function	Yes
Temperature Display Accuracy	0.1°C	Gradient Temperature Uniformity	±0.3°C	16°C Temperature Holding Function	Infinite duration
Block Temperature Uniformity	≤ ±0.25°C	Temperature Control ways	Block or Tube	Real-time operation status	Image-text displayed
Block Temperature Accuracy	±0.2°C	Timer Increasing / Decreasing	- 599~599 S for Long PCR	Size (W×D×H)	243×172×145 (mm)
Timer	1s~59min59sec/0 Infinite Duration	Temperature Increasing / Decreasing	-9.9~9.9°C for Touchdown PCR	Net weight	2.3kg
Heating Lid Temperature range	30°C ~110°C	LCD display	Touch screen display	Max. Power	225W
Heating Up Rate(Max.)	5°C /s	Programs stored	200	Voltage Range	AC110V-220V 50-60Hz