



Darsun Scientific

Dual-block Thermal Cycler DS200



DS200 is a qualitative thermal cycler 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.

Specification

- Small footprint, compact design
- Two independent controlled blocks
- 3 high precise peltiers for each block
- 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 30°C

Model	DS200		
Voltage	100~240V, 50/60Hz	Temperature display accuracy	0.1°C
Tubes applied	0.2ml pcr tube, 8x0.2ml strip ,48 well plate	Gradient temperature range	30-105°C
Temperature Control ways	Block/Tube	Gradient Set Span	0.1~30°C(across 2 blocks) 0.1~15°C(across 1 blocks)
Block Temperature	0~105°C	Gradient Temperature Uniformity	≤±0.3°C
Timer	1s~9:99:99 or 0 (infinite duration)	Gradient Temperature Accuracy	≤±0.3°C
Capacity	Double 48×0.2ml	Numbers of Gradient	12
Block Temperature Accuracy	≤±0.2°C	Heating Lid Temperature range	30°C ~110°C
Block Temperature Uniformity	≤±0.25°C	Timer Increasing / Decreasing	-599s ~ 599s
Heating Up Rate (Max.)	6°C/s	Temperature Increasing / Decreasing	9.9°C ~ 9.9°C
Cooling down Rate (Max.)	5°C/s	Touchdown PCR	Yes
Adjustable range of heating up/cooling down	0.1~6 °C/s	Long PCR	Yes
Programs stored	0.1°C	Max. Cycles	100
Max. Steps	30	Power failure recovery	Yes
Pause function	Yes	16°C Temperature Holding Function	Infinite duration
LCD display	Touch screen display	Operation system	Linux
Touch screen type	Capacitive	Communication port	USB2.0
Max. Power	1000W	Size (W×D×H)	400x260x228mm
Net weight	9kg		