

Classic Thermal Cycler

Features:

- * 7" color full touch screen, graphically display.
- * Effortlessly interchangeable modules, swapped in seconds without tools.
- * Durable premium peltier element, ensure long life and high quality.
- * Large storage of 10,000 programs on board, enhancing friendly operation.
- * Update software through USB flash drive.
- * Outstanding block temperature uniformity, ensuring best possible experimental results.
- * Global universal switch power(85V-265V), increasing safety & reliability.



Technical Parameters:

Model	PCR100	PCR200
Type	Standard Thermal Cycler	Gradient Thermal Cycler
Standard Module	96 Module: 96 wells*0.2ml or 9677 Module: 96 wells*0.2ml+77 wells*0.5ml	
Optional Module	48Module: 48 wells*0.2ml+48 wells*0.5ml	
	384 Module: 384 wells	
	Muoti-purpose Module: 9677 Module+In-situ Adaptor	
Heating and Cooling Technology	Newest generation Peltier-based technology, with long life up to 1,000,000 cycles	
Display	7" Color Touch Screen, graphical display of protocols and running status	
Language	English	
USB Flash Drive	Unlimited storage of protocols with USB flash drive	
Communications Ports	2 USB2.0 and LAN	
Temperature		
Block Temperature Range	0°C~100°C	
Max. Heating Rate	5°C/s	
Max. Cooling Rate	4°C/s	
Temperature Uniformity	≤ ±0.2°C (at 95°C)	
Temperature Accuracy	≤ ±0.2°C (35°C-100°C)	

Model	PCR100	PCR200
Mode Of Temperature Control	Sim-tube & Block mode	
Ramping Rate Adjustable	Yes	
Gradient		
Gradient Accuracy	/	≤ ±0.3°C (35°C~100°C)
Column Uniformity	/	≤ ±0.3°C (at 95°C)
Gradient Range	/	35°C~99.9°C
Temp. Differential Range	/	1°C~30°C
Gradient Capability	/	12 Column
Heat LID		
Height of Heat lid	Steplessly Adjustable lid, accommodates all kinds of PCR tubes, strips and plates	
Open method	Innovative TOP-OPENTM technology realizes open and lift the lid in one step	
Heat Lid Temperature Range	30°C~99.9°C	
Auto Shut-off	Yes	
Software		
Max. Number of Programs	Max.10,000 programs onboard, unlimited storage of protocols with USB flash drive	
Max.Step&Max.Cycle	30 steps,100 typical cycles,max60,000nesting cycles	
Time & Temp. Increment/Decrement	Yes, available for long PCR & Touchdown PCR	
Auto Pause/Auto Restart	Yes	
Multi-user log in	Password-based authentication prevents from view,copy and alteration of protocols	
Tm calculator	Automatically calculates the melting and annealing temperature through input two primer sequences	
Hold At 4°C	Yes, an infinite incubation time at low temperature for overnight working	
Program wizard	Yes, create PCR protocols with only a few clicks	
Running Report	Yes, provide objective and precise information for the whole running process	
Other features		
Power	Global switch power supply: 85V-265V, 50-60Hz Max.600W	
Approvals	ISO 9001:2000,CE,RoHS	
Packing size(L*W*H)	430mm*344mm*345mm	
Gross Weight	9.8kg	