

# Classic Thermal Cycler BK-AI/BK-AII

## Features:

- ①. 7" TFT color cull touch screen, graphically protocol edit and running.
- ②. Outstanding uniformity, producing best PCR result.
- ③. Effortlessly interchange the modules without tool.
- ④. 10,000 protocols storable on board.



## Parameters:

Model	BK-AI	BK-AII
Optional Module	Standard Thermal Cycler	Gradient Thermal Cycler
	96 Module: 96 wells*0.2ml	
	9677 Module: 96 wells* 0.2ml+77 wells*0.5ml	
	384 Module: 384 wells	
	Multi-purpose Module: 9677 Module+In-situ Adapter	
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	Bilingual: English and Chinese	
USB Flash Drive	Unlimited storage of protocols with USB flash drive	
Communications	USB 2.0, LAN and RS232	
Temperature		
Block Temperature Range	0~105℃	
Max. Heating Rate	5℃/s	
Max. Cooling Rate	5℃/s	
Temperature Uniformity	≤ ±0.2℃(at 95℃)	
Temperature Accuracy	≤ ±0.2℃(35~100℃)	
Display Resolution	0.1℃	
Mode of Temperature Control	Sim-tube & Block mode	
Ramping Rate Adjustable	Yes	

Gradient		
Gradient Accuracy	/	≤ ±0.1℃ （35~100℃）
Column Uniformity	/	≤ ±0.2℃（at 95℃）
Gradient Range	/	35~100℃
Temp. Differential Range	/	Max.30℃
Gradient Capability	/	12 Column
Heated Lid		
Height of Heated Lid	Steplessly Adjustable Lid, accommodates a wide range of PCR tubes and plates	
Open Method	Innovative TOP-OPEN technology realizes most easy lid-open	
Heated Lid Temperature Range	30~105℃	
Auto Shut-off	Yes	
Software		
Max. Number of Programs	Max.10,000 programs onboard, unlimited storage of protocols with USB flash drive	
Max. Step	30 steps, multiple nesting cycle available	
Max. Cycle	100 typical cycles(duplex nesting 10,000 cycles)	
Time & Temp.	Yes, available for long PCR & Touchdown PCR	
Increment/Decrement	Yes	
Auto Pause/Auto Restart	Yes	
Multi-user Log In	With password-based authentication, protect personal protocols	
Tm Calculator	Automatically calculates the melting and annealing temperature with two primer sequences	
Hold At 4℃	Yes, a below ambient temperature incubation allow PCR results storage overnight	
Program Wizard	Yes, create PCR protocols with only a few clicks	
Running Report	Yes, provide precise data support for analyzing of experimental results	
PC Connection	PC remote control to manage more than 100 units of A100/A200 across the network	
Other Features		
Power	Global switch power supply: 85~265V, 50-60Hz Max.600W	
Packing Size(L*W*H)	430*340*335mm	
Gross Weight	10kg	