

## Fast Gradient Thermal Cycler PCR



### Features:

- ①. Newest generation peltier-based technology, more steady, reliable and durable.
- ②. 7 inch color full touch screen, graphical display of protocols.
- ③. Effortlessly interchangeable reaction modules that swap in seconds without tools.
- ④. 15000 protocols storable on board and unlimited storage of protocols with USB flash drive.

### Parameters:

Model	PCR 300	
Gradient Module	96 Module	96 wells*0.2ml
	9677 Module	96 wells*0.2ml+77wells*0.5ml
	384 Module	384 wells
	Multi-purpose	9677 Module+In-situ adapter
Temperature	Display	7 inch color touch screen, graphical display of protocols and running status
	Communications	2 USB 2.0 and LAN
	Block Temperature Range	0 °C~105°C
	Max. Heating/Cooling Rate	6°C/s
	Temperature Uniformity	≤±0.2°C (at 95°C)
	Temperature Accuracy	≤±0.1°C (35°C~100°C)
Gradient	Display Resolution	0.1°C
	Mode of Temperature Control	Sim-tube & Block mode
	Gradient Accuracy	≤±0.1°C (35°C~100°C)
	Column Uniformity	≤±0.2°C (at 95°C)
Software	Gradient Range	30°C~105°C
	Temp. Differential Range	1~30°C
	Gradient Capability	12 Column
	Max. No. of Programs	Max. 15,000 programs onboard, unlimited storage of protocols with USB flash drive
	Max. Step	30 steps
	Max. Cycle	100 typical cycles, max. 60,000 nesting cycles
	Time & Temp. Increment/Decrement	Yes, available for Long PCR & Touchdown PCR
	Auto Pause / Auto Restart	Yes
	Multi-user Log in	With password-based authentication prevents from view, copy and alteration of protocols
	Tm Calculator	Automatically calculate the melting and annealing temperature with 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 experiment	
PC Connection	PC remote control to manage more than 120 units of A300 across the network	
Heat Lid	Height of Heat Lid	Steplessly adjustable Lid, accommodates all kinds of PCR tubes, strips and plates
	Open Method	Innovative "TOP-OPEN" technology realizes open and lift in one step
	Heat Lid Temperature Range	30~112°C
	Auto Shut-off	Yes
Others	Power Supply	85~265V, 50~60Hz Max. 600W
	Package Size(W*D*H)	362*256*255mm
	Gross Weight	10kg