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ANALYTICAL EXCELLENCE...

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Thermal Cycler MA-A100 / MA-A200

FEATURES:

- 7" colour touch screen, graphic display
- Interchangeable modules, swapped in seconds without tools
- Durable premium Peltier element
- 10 000 programs
- Update software through USB flash drive
- Block temperature uniformity, ensuring best possible experimental results



MODEL SPECIFICATIONS:

Model	MA-A100	MA-A200
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	48 Module: 48wells*0.2ml+48wells*0.5ml	
	384 Module: 384 wells	
	Multi-Purpose Module: 9677 Module + In-situ Adapter	
Heating And Cooling Technology	Newest generation Peltier-based technology, lifetime up to 1 000 000 cycles	
Display	7" Colour Touch Screen, graphic display of protocols and running status	
USB Flash Drive	Unlimited storage of protocols with USB flash drive	
Communications Ports	2 USB 2.0 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)	
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	Adjustable lid, accommodates all kinds of PCR tubes, strips and plates
Open Method	Innovative TOP-OPEN technology open and lift the lid in one step
Lid Temperature Range	30°C~99.9°C
Auto Shut-off	Yes
Software	
Max. Number of Programs	Max. 10 000 programs on board, unlimited storage of protocols with USB flash drive
Max. Step & Max. Cycle	30 steps, 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 login	Password-protected authentication
TM Calculator	Automatically calculates the melting and annealing temperature through input of two primer sequences
Hold at 4°C	Infinite incubation time at low temperature for overnight operation
Program Wizard	Create PCR protocols with only a few clicks
Running Report	Provide objective and precise information for complete running process
Other Features	
Power Supply	Global switch power supply: 85V-265V, 50/60Hz, max. 600W
Certification	ISO 9001:2000, CE, RoHS
Packing Size (L*W*H)	430mm*344mm*345mm
Gross Weight	9.8kg