

A100/A200 Touch Screen PCR Analyzer



Features

- 7" TFT color touch screen, real-time graphical display
- Outstanding block Temp. uniformity, always obtains best PCR results
- Effortlessly Interchangeable modules, no tools required
- 10,000 on board protocol storage and unlimited storage with flash drive
- Gradient and non-gradient functions are optional and cost-effective
- Beautiful and Streamlined appearance, lightweight structure

Technical Specifications

Model	A100	A200 Gradient
Optional module	9677 Module:96 wells 0.2ml+77 wellsx0.5ml	
	96 Module:96 wellsx0.2ml	
	384 Module:384 wells	
	Multi-purpose Module: 9677 Module + In-situ Adapter	
Heating&Cooling technology	New generation peltier technology allow 1,000,000 cycles	
Display	7" Color Touch Screen, real-time graphical display	
Language	English	
USB falsh drive function	Unlimited storage of protocols with USB flash drive	

Communications ports	2 USB and 1 LAN	
Venting system	Front air in&Back air out,two cyclers can be placed side by side	
TEMPERATURE		
Block temperature range	0°C~105°C	
Max. heating rate	5°C/s	
Max. cooling rate	4°C/s	
Temperature uniformity	≤±0.2°C (at 90°C)	
Temperature accuracy	≤±0.1°C (at 90°C)	
Display resolution	0.1°C	
Ramping rate adjustable	0.1°C~4°C/s	
GRADIENT		
Gradient accuracy	/	≤±0.1°C
Column uniformity	/	≤±0.2°C
Gradient range	/	30°C~105°C
Temp. differential range	/	1°C~40°C
Gradient capability	/	12 Column
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,max.10,000 nesting cycles	
Time increment/decrement	1~600 sec,available for long PCR	
Temp. increment/decrement	0.1~10°C available for Touchdown PCR	
Auto pause / Auto restart	Yes	
Multi-user log in	With password-based authentication to protect personal protocols	
Tm calculator	Automatically calculates the melting & annealing temperature of a pair of primers	
Hold at 4°C	A below ambient temp. Incubation allow PCR products storage overnight.	
Real time temperature control curve record	Real time display of temperature change of hot cover and sample in operation	
Running report	Provide detailed reports of previously run protocols	
PC connection	Remote PC control to manage 50 units by LAN network	
HEAT LID		
Height of heat lid	Steplessly adjustable lid, accommodates PCR tubes, strips & plates	

Lid feature	Innovative "TOP-OPEN" technology, protection from over-pressure
Heat Lid temp. range	30°C ~ 112°C
Auto shut-off	Lid will shut off automatically when protocol finish or the block Temp. falls below set Temp.
OTHER FEATURES	
Power	100V-240V,50-60Hz
Consumption	600W
Dimension (L×W×H)	362×256×255mm
Net weight	7.3kgs



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