



**Bioer
Technology**



Homepage:
www.bioer.com

Thermal Cycler **GeneExplorer**

NEW

PCR



Faster Heating & Cooling Rate



More Durable Structure Design



Smart Phone App Available



User Friendly Interface

HANGZHOU BIOER TECHNOLOGY CO., LTD.



PRODUCT FEATURES



Intelligent Operation

A new generation of CPU, 8-inch responsive touch screen, and user-friendly UI design makes your operation simple and faster.



Temperature Accuracy

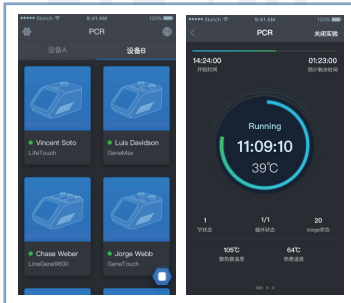
Newly-designed block and tailor-made peltier to ensure exceptional thermal performance and optimize your PCR temperature with good accuracy.



Mobile App Sync

Innovative mobile app and WiFi capability helps to monitor your PCR status with remote control.

REMOTE OPERATION INTERFACE



Remote Operation Interface on Mobile Phone App



Operation Interface on Device

PRODUCT PARAMETER

Model Name	GeneExplorer						
Model	GE-96G	GE-48DG	GE-384G	GE-4I	GE-48D	GE-48DS	GE-96S
Sample Capacity	96×0.2mL	48×0.2mL 2 Blocks	384×0.02mL	4 object slides	48×0.2mL 2 Blocks	48×0.2mL 2 Blocks 3 zones	96×0.2mL 6 zones
LCD Display	8-inch touch screen						
Temp. Range	4~105℃ (min. resolution: 0.1℃)						
Average Cooling Rate	≥2.5℃/sec	3℃/sec	1.8℃/sec	1.8℃/sec	2.5℃/sec	3℃/sec	≥3.2 ℃/s
Average Heating Rate	≥3.5℃/sec	3.5℃/sec	2.5℃/sec	2.5℃/sec	3.5℃/sec	3.5℃/sec	≥4.8 ℃/s
Temp. Uniformity	≤±0.3℃	≤±0.25℃	≤±0.3℃	≤±0.3℃	≤±0.4℃	≤±0.25℃	≤±0.25 ℃
Temp. Accuracy	≤0.2℃						
Hot-lid Temp. Range	30℃~110℃						
Gradient Function	yes, 12 columns		yes, 24 columns	No		yes, 2×3 independent temperature zones	yes, 6 independent temperature zones
Temperature Differential Range	1-42℃			No		0.1℃~12℃, 0.1-6℃ zone-to-zone	0.1℃~30℃, 0.1-6℃ zone-to-zone
Gradient Temperature Range	30℃~99℃			No		30℃~99℃	
Memory	≥2000 programs on board , unlimited with USB flash drive expansion						
Network Connections	USB / LAN / WIFI						
Hot-lid Mode	One-time locking with handle						
Mobile App Compatibility	iOS / Android						
Power Supply	600W	1200W	600W	600W	600W	1200W	1200W
Dimensions/Voltage/Weight	420mm×269mm×254mm (L×W×H) 100V-240V-50/60Hz (Bivolt) 13Kg						

*Adjustable maximum heating/cooling ramp rate between 0.1°C/sec and 6°C/sec.



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