

GENE-EXPLORER TOUCH SERIES THERMAL CYCLER



- **Powerful features**
- **Several blocks can be chosen**

Description

Gene-Explorer Touch series thermal cycler uses 8 pcs customized Marlow(US) peltier. Its max. ramping rate is 5 °C/s and cycle times is more than 1000,000. The product combines a variety of advanced technologies: Android operating system, color capacitive touch screen, run dual block independently, Built-in WIFI module, mobile APP and PC software control function, big storage capacity and email alert function. All above functions allow PCR's excellent performance and meet higher experiment's need.

Feature

- Android operating system, color capacitive touch screen, easy operation
- GLP report records every step to provide accurate data support for experiment result analysis
- Built-in 11 standard program file template, can quickly edit the required files
- Two blocks independently controlled and can run 2 different PCR programs simultaneously

Parameters

Model/Specification			
Model No.	GE9612T	GE4852T	GE4832T
Capacity	96×0.2ml	Double 48×0.2ml	48×0.2ml+30×0.5ml
Formats	0.1/0.2ml, 8 strips,12 strips, Half skirt 96 wells plate, No skirt 96 wells plate	0.1/0.2ml tube, 8 strips	0.1/0.2ml tube, 8 strips, 0.5ml tube
Reaction Volume	5-120ul		Left block 5-120μl, Right block 5-200μl
Temperature Performance			
Temperature Range	0-105℃		
MAX. Ramp Rate	5℃/s		
Uniformity	≤±0.2℃		
Accuracy	≤±0.1℃		
Display Resolution	0.1℃		
Temperature Control	Block/Tube		
Ramping Rate Adjustable	0.01-5℃/s		
Hold at 4 C	Forever		
Gradient Performance			
Gradient Uniformity	≤±0.2℃		
Gradient Accuracy	≤±0.2℃		
Gradient Temp. Range	30-105℃		
Gradient Spread	0.1-30℃	0.1-30℃	Left block:0.1-30℃ Right block:0.1-30℃
Hot Lid Function			
Hot Lid Temperature	30-115℃		
Hot Lid Height Adjustable	Stepless Adjustable		
Software Function			
Number of Programs	200,000+(USB FLASH)		
Max. No. of Step	30(Multiple nested PCR experiments)		
Max. No. of Cycle	200(Up to 100,000 in nested cycles)		
Time Increment/Decrement	1s-600s, Long PCR is available		
Temp. Increment/Decrement	0.1-10.0° C , Touchdown PCR is available		
Pause Function	Yes		
Auto Data Protection	Yes		
GLP Report	Record the running information of each step of the program to provide accurate data support for the analysis of experimental results		
File Encryption Function	Individual program files can be encrypted		
User Management Privilege	Three levels of access (administrator, user, guest)		
Email Notification	Email notification after experiment is over		
Lock Screen Function	Prevents accidental termination of the program being experimented on		
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments		
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments		
Other Performance			
Communication	USB 2.0,LAN, WIFI		
Dimensions	390mm×270mm×255mm(L×W×H)		
Weight	9kg		

