

PCR / Gradient PCR

**Touch
Screen**



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

This series product adopts 8 pieces custom-made US Marlow peltier, Max. ramping rate 5°C, cycle times > 600000. More advance technologies applied on the product: windows operating system; color touch-screen; double blocks can run independently; replaceable block; control by PCfunction; print function; extra large data storage and USB interface. All the above function make it demand high need.

Key features:

- 1) Each thermal block has 4 independent temperature control sensors and 8 peltier heating units to ensure accurate and uniform temperature across block surface, and provide users with replicating previous condition set-up.
- 2) 8" TFT color touch-screen with graphical display provides easy use for setting up and monitoring.
- 3) The actual and target temperatures can be viewed and displayed graphically in real time.
- 4) Built-in 11 standard program file template, can quickly edit the required files.
- 5) Internal flash memory for 10000 typical PCR files in free configurable folders.
- 6) Automatic restart after power failure.
- 7) Peltier heating and Cooling System
- 8) 3KVA Online UPS with one hour Power back-up.
- 9) USB data Port and Print Port .

Specification

Model	GE3961T/3602T/3485T 3483T/3384T General	GE3961G/3602G/3485G 3483G/3384G General
Capacity	96 x 0.2ml, 60 x 0.5ml, double 48 x 0.2ml,(48wellsX0.5ml) 48 x 0.2ml + 30 x 5ml384well, In-situ plate or 96 well PR plate	
Temp. range	0 ~ 100°C	
Temperature accury	up to ±0.5°C or better	
Lid Temperature	37 - 100°C	
block homogeneity range	up to ±0.5°C or better	
Gradient block	Columns range 6 - 12	
Temperature Control Range	0-100°C	
Max. heating rate	5°C/s	
Max. cooling rate	4°C/s	
Temperature Uniformity	≤±0.5°C or batter	
Accuracy	≤±0.1°C	
Display resolution	0.1°C	
Temp. control	Block/Tube	
Ramping rate Adjustable	0.1 ~ 6°C	
Gradient Uniformity		≤± 0.2°C
Gradient Accuracy		≤± 0.2°C
Gradient Temp. range		30~100°C
Gradient Spread		1~30°C
Hot lid temp.	30~110°C	
Hot lid height adjustable	stepless adjustable	
Number of programs	10000 +(USB FLASH)	
Max. no. of step	30	
Max. no. of cycle	77	
Time increment/decrement	1 sec ~ 9 min 59 sec	
Temp increment/decrement	0.1 ~ 9.9°C	
Pause function	Yes	
Auto data protection	Yes	
Hold at 4°C	Forever	
Print	Yes	
LAN to computer	Yes	
LCD	8inch, 800 x 600 pixels, TFT	
Communication	USB 2.0, LAN	
Dimensions	380mm x 240mm x 260mm (L x W x H)	
Weight	8.5kg	
Lower Power Consumption	500 W	
Block Variable Sizes(for 0.2 ml, or 0.5 ml tubes)		
Quick and Easy Protocol Programming 0.1-5°C		

Regulatory compliances



Corporate Social Responsibility



Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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