

GENE EXPRESS TOUCH Product Overview

The product has a variety of advanced peltier technologies: made by Marlow industries, inc. USA

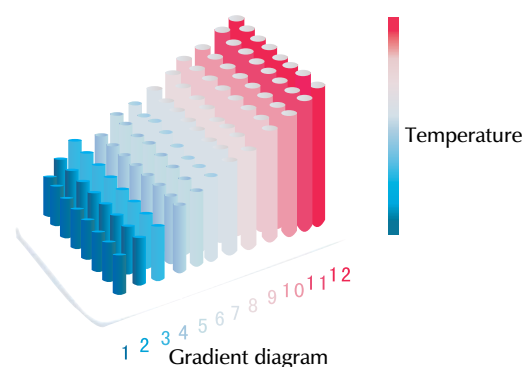
Windows operating system, 8 inch color touch screen, dual modules operate independently, a variety of interchangeable modules, computer on-line function, print function, large data storage capacity and expansion capabilities, etc. The Gene Express powerful features will meet the higher PCR requirements of any experiment.

Product Features

- Each thermal block has 4 independent temperature control sensors and 8 peltier heating units to ensure accurate and uniform temperature across the block surface, and provide users with a continues replicate conditions.
- Ramp rate up to 5°C/S.
- 8" TFT color touch-screen with graphical display for easy programing and monitoring.
- The actual and target temperatures can be viewed and displayed graphically in real time.
- Built-in 11 standard program file templates, users can quickly edit the required files.
- Internal flash memory for 10,000 typical PCR user files in free configurable folders.
- 30 thermal cyclers can be simultaneously linked to one PC via LAN, wich eliminates the need of setting up and programming each thermal cycler.
- Automatic restart after power failure.
- Compatible with devices such as Mouse and Keyboard and capable to transfer data and software updates via USB Drive.
- GLP reports for complete recording of all runs.
- Applicable with the following 0.2 ml tube models: non-skirted, semi and fully skirted plates.
- Replaceable module, the choice of a dual-block module can simultaneously run two different PCR programs.

Technical Specifications

Product model	Gradient 1x96G, 2x48G, 1x384G
Capacity	96x0.2ml, 2x48x0.2ml, 384
Temperature Range	0~100°C
Heating Rate	5°C/s
Cooling Rate	4°C/s
Uniformity	< ±0.2°C
Accuracy	< ±0.1°C
Display Resolution	0.1°C
Temperature Control	Block/Tube
Ramping Rate Adjustable	0.1~5°C
Gradient Uniformity	< ±0.2°C
Gradient Accuracy	< ±0.2°C
Gradient Temp. Range	30~100°C
Gradient Spread	1~30°C
Hot Lid Temperature	30~110°C
Hot Lid Height Adjustable	Stepless Adjustable
Number of Programs	10000+ (USB FLASH)
Max. No. of Step	30
Max. No. of Cycle	100
Time Increment/Decrement	1Sec~9Min 59 Sec
Temp Increment/Decrement	0.1~9.9°C
Pause Function	Yes
Auto Data Protection	Yes
Graphical Display	Yes
Hold at 4°C	Forever
Language	English
Print	Yes
Lan to computer	Yes
LCD	8 inch, 800x600, TFT
Communcation	USB2.0, LAN
Dimensions	380mm x 240mm x 260mm (LxWxH)
Weight	9kg
Power Supply	85 ~264VAC, 47~63Hz, 600W



Temperature Monitoring