

Overview

Optimus 96G Gradient Thermal Cycler is an advanced thermal cycler with peltier based technology making it more accurate and reliable. Optimus 96G has high heating and cooling rate, uniform temperature across the block surface, 96 wells block, large data storage capacity and 8 inch color touch-screen.

Features

- Thermal block has 3 independent temperature control sensors and 6 peltier heating units to ensure accurate & uniform temperature across the block surface
- Windows interface, 8 inch (800*600 pixel, 16 colours)
- TFT colour touch-screen with graphical display provides easy use for setting up and monitoring
- The actual & target temperatures can be viewed & graphically displayed in real time.
- Built-in 11 standard program file template, can quickly edit the required files.
- Internal memory for 10000 typical PCR files in free configurable folders.
- Automatic restart after power failure.
- Adjustable hot lid, fit tubes of different heights.
- Reinforced aluminium module with anodizing technology to keep rapid heat-conducting property & have enough corrosion resistance.
- Compatible with devices such as mouse & keyboard and capable to transfer data and perform software updates via USB Drive.
- Supplied with 12 x 1.5ml / 2ml micro tube rotor



Quality Lab Systems

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Specifications

Sample Capacity	96 x 0.2ml
Peltier Quantity	6
Block Material	Aluminium Alloy
Temperature Range (°C)	0-100°C
Heating Rate (°C/sec)	4°C/sec
Cooling Rate (°C/sec)	3°C/sec
Control Accuracy (°C)	±0.1 (30-99.9°C)
Uniformity (°C)	±0.2 (30-72°C, 10s) / ±0.3 (90°C, 10s)
Control Mode	Block, Tube
Hot-lid Temperature (°C)	30-110°C
Gradient Range (°C)	1-30°C
Minimum Gradient Temp. (°C)	30°C
Maximum Gradient Temp. (°C)	100°C
Display Screen	8 inch, 800x600 Pixels, TFT, TOUCH
Programs Saving	10000 files + (USB Flash)
Power-off Recovery	Yes
Temperature Time Increase/Decrease Progressively	Yes
Pause Function	Yes
Edit File While Running	Yes
Support For USB Mouse	Yes
Support For Touch Screen	Yes
Connection	USB, Ethernet
Network Control	Yes
PC Control Software	Yes
Input Voltage	AC85-264V, 50/60Hz
Input Power	600W

Ordering Information

TC-O96G	Optimus 96G Gradient thermal cycler, UK plug
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