

LABNET INTERNATIONAL, INC.

MULTIGENE™ OPTIMAX

THERMAL CYCLER

The new MultiGene OptiMax brings new speed and features to our Labnet Thermal Cycler line. The MultiGene OptiMax replaces the successful and reliable MultiGene Gradient thermal cycler. It utilises the same easy user interface that our customers have enjoyed. It now has much greater speed of operation since we have increased the ramping speed and essentially eliminated any overshooting or undershooting which contributes to longer run times. We have added features like PC Viewer and a TM calculator. The PC Viewer allows you to connect to a Windows based PC using a USB interface and view the actual temperature profiles in real time. The new 6-block gradient format allows you to select the temperatures you wish to optimise rather than have the system select for you. With the introduction of the MultiGene OptiMax, Labnet is bringing to you premium performance at an affordable price.



FEATURES

- Faster speeds
- No condensation after overnight cooling at 4° C
- 6-segment block temperature control with users able to select 6-segment temperatures independently
- TM Calculator
- PC Viewer
- Simple user interface
- 3-Year Warranty

PRODUCT SPECIFICATIONS

Sample Capacity	1 x 96 well plate, 12 x 0.2mL strip tubes, 96 x 0.2mL tubes
Programmable Temperature Range	4°C to 99.9°C
Temperature Control	Calculated or block
Temperature Accuracy/Uniformity	±0.5°C/±0.5°C
Heating/cooling method	Peltier
Max. heating/cooling rate	4°C/3°C per second
Temperature range of 6-segment blocks	30°C to 99°C. Temperature of 6-segment blocks can be set independently.
Maximum Temperature difference between 6-segment blocks	24°C
6-segment temperature blocks	6 temperature blocks in 4 x 4 well format,
Programmable lid temperature	60° to 65°C, 100° to 115°C
Program memory	200 complete programs
Temp. increments/decrements	Yes
Time increments/decrements	Yes
User program folders	50 sets
Password protected programs	Yes
Communication	USB and RS232 ports
Dimensions (W x D x H)	24 x 42 x 25 cm
Weight	9 kg
Electrical	240V or 120V, 50/60 Hz