



Gradient-Cycler TurboLite

Description

TurboCycler Lite has a high heating rate, fast boot up, and accurate temperature control. It ensures efficient and accurate PCR processing.

The unit is compact in size and has front-to-back venting which allows machines to be placed side-by-side to save precious bench space.

The monochrome display and touch keypad provide a user friendly interface. All these features make it an ideal solution for growing service centers and the education market while keeping the cost down.

Part number: 112.6000



Intuitive Operation Experience

Touch keypad + intuitive graphic interface



Gradient Optimization

The thermal gradient function allows fast PCR optimization for new experiment



Advanced Slow-Ramp Temperature Control

The ramp rate can be precisely controlled down to 0.1 °C/sec to meet the need for the CRISPR/Cas related assays



Fully Adjustable Lid Temperature

The temperature can be set between 35 and 120°C for virtually any type of experiment including NGS pre-treatment



Easy Disinfection

The dust and aerosol proof keypad can be easily disinfected



Auto Restart

Power failure recovery keeps the experiment safe



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Specifications

Sample Block	
Sample Block	Fixed 96-well, compatible with regular profile or low profile 0.2 ml PCR tube, strip, non-skirted, semi-skirted and full-skirted 96-well plate
Sample Volume	10 – 100 µl
Block Temperature	
Temperature Range	4.0 – 99.9 °C
Max. Heating Rate	3.0 °C/sec
Max. Cooling Rate	2.0 °C/sec
Temperature Accuracy	± 0.3 °C
Temperature Uniformity Across Block	± 0.5 °C
Adjustable Ramp Rate	High / Low
Slow-Ramp Temperature Control	Via temperature increment / decrement between cycles
Gradient Temperature	
Gradient Direction	Horizontal across the block
Gradient Temperature Range	30 – 99 °C
Gradient Temperature Difference	Max. span 24 °C
Heated Lid	
Temperature Setting Range	35 – 120 °C or off
Temperature Accuracy	± 1.0 °C
Software	
Stored Program No.	200 sets
Registered User Folder No.	50 sets
User Folder Password Protection	Yes
General	
Display	Monochrome LCM, 240 x 128 pixels
Input Interface	Capacitive touch keypad
Auto Restart after Power Outage	Yes
Footprint Dimensions (H x W x D)	225 x 245 x 415 mm
Weight	9.0 kg
Power Supply	VAC 240 V, 50/60 Hz, 500W
Certification	CE, RoHS