

**LABTRON**

# **ADVANCED THERMAL CYCLER**

**(Gradient)**  
**LATG-A1 Series**



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## Advanced Thermal Cycler (Gradient) LATG-A1 Series

Advanced Thermal Cycler (Gradient) LATG-A1 series, comes with 30 to 99.9 °C gradient temperature range, advanced peltier based semi-conductor technology. It uses 6 pieces of advanced (US) Marlow peltier with maximum cycle time more than 200,000. This thermal cycler works on latest Windows OS, performs control function, print function, stores large data through RS232 interface for reliable, safe usage.

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### Features

- Accuracy and uniformity in gradient temperature readings
  - Bilingual graphical curve inter face
  - High performance universal power supply
  - High definition 5.7" LCD display for easy observation
  - Data protection during power failure
  - Stepless adjustable lid for various height
  - High sealing reaction zone, to ensure stable reactions
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### Applications

Widely used in PCR applications in research and development, food science, pharmaceuticals, life science, animal diagnostics and analytical laboratories.

## Specifications

Model	LATG-A10	LATG-A11	LATG-A12	LATG-A13
Capacity	96 × 0.2 ml	96 × 0.2 ml + 77 × 0.5 ml	54 × 0.5 ml	384 well
Block Temperature Range	0 to 99.9 °C			
Temperature Control Accuracy	≤ ± 0.2 °C			
Ramping Rate Adjustable	0.1 to 2.5 °C			
Temperature Uniformity	≤ ± 0.3 °C			
Heating Rate	4 °C/s			
Cooling Rate	3 °C/s			
Temperature Control Mode	Block\Tube			
Gradient Temperature Range	30 to 99.9 °C			
Gradient Uniformity	≤ ± 0.3 °C			
Gradient Accuracy	≤ ± 0.2 °C			
Gradient Spread	1 to 30 °C			
Hot-lid Temperature Range	30 to 110 °C			
Hot Lid Height Adjustable	Stepless Adjustable			
Max No. of Steps	9			
Max No. of Cycles	99			
Time Increment/Decrement	3 sec to 9 min 59 sec			
Temperature Increment/Decrement	0.1 to 9.9 °C			
Program	200			
Pause Function	Yes			
Auto Data Protection	Yes			
Print	Yes			
LCD	5.7 inch, 320 × 240 pixels			
Communication	RS232 interface			
Power Supply	85 to 264 V AC, 50 to 60 Hz, 600 W			
Dimension ( L×W×H )	392 × 262 × 252 mm			
Weight	10 kg			