

LT-241 Gradient Thermal Cycler

The most advanced semiconductor technology (Peltier based)

No matter how you configure your gradient thermal cycler system it provides the high-end performance you need easily adapts to meet your lab's changing PCR needs and helps you stay within your budget. Designed for trouble-free, long life operation even in the most rigorous environments, the delivers outstanding reproducibility-well-to-well, sample-to-sample and instrument-to-instrument



Interchangeable Blocks



Adjustable Hot Lid



Hermetic Seal Protects Blocks from Condensation



Product features

- Convenient and flexible module replacement modular.
- Large size super-high-definition LCD screen.
- Intuitive, user friendly interface makes program easier and faster.
- Memory function in case of power down.
- Low noise, low energy consumption, long service life.
- Solemn, elegant appearance, innovative design.
- Adjustable hot lid prevents reagents from evaporating.
- Optimal panel keypad design for convenient operation.
- Heated lid could be positioned at any angle.
- Handle-module, more secure and convenient for module replacement, improving interchanging efficiency and long life span.

Instrument working conditions:

Ambient temperature: 5°C -30°C.

Relative humidity: <90%.

Power supply: AC110V±22V, 220V±22V, 250VA, 50Hz±10Hz

Instrument storage conditions:

Ambient temperature: -20°C -55°C

Relative humidity: <90%.



Technical parameters

Capacity	96x0.2mL(A); 54x0.5mL(B); 96x0.2mL+77x0.5ml (C); 384 well (D)
Temp range	0°C - 99.9°C (Rt less than equal to 30°C)
Max cooling rate	> equals to 3.5°C/s
Max heating rate	> equals to 4.0°C/s
Heating/cooling rate	1°C/s-4°C/s (Adjustable)
Uniformity	< equals to ±0.2°C(20-75°C)<equals to ± 0.3°C (95°C)
Accuracy	< equals to ±0.2°C
Gradient temp range	30°C - 99°C
Gradient spread	2°C - 30°C

Gradient uniformity	< equals to 0.2°C
Heated lid temp	30°C - 115°C
Environment model	Manual select
Temp control	block,tube,calculated
Stored program No.	200
Max No. of cycle	99
Display	5.7"inch,320x240peis LCD
Communication	USB 2.0 / Rs232
Size	380mm(W)x270mm(D)x250mm(H)
Weight	7.2kg
Power supply	110V-220V international general voltage