Bring Technology to Life

TIAN LONG

NeoGT X2

PCR Thermal Cycler

The NeoGT X2 is a newly launched thermal cycler by Tianlong, featuring independently controlled thermal modules and a 48*2 throughput configuration. It allows users to run different experimental protocols simultaneously, meeting the need for greater flexibility in project workflows. At the same time, its significantly enhanced thermal performance shortens overall run time while ensuring reliable results, making it a powerful asset for laboratory applications.

Ultra-Fast Ramp Rates

10.1-inch Touchscreen

48*2 Dual Module



FEATURES

Easy Operation
Equipped with a 10.1-inch touchscreen and a clean, intuitive user interface, the system provides clear navigation and responsive controls, making operation more efficient and reducing the learning curve.

Flexibility and Stability
2 individual thermal block enables to run 2 different protocols at the same time, meanwhile keeping the accuracy of thermo control ≤0.1℃, ensuring flexible experiment plan and steady performance.

Efficiency Guarantee
Maximum heating rate ≥6.0°C/s and maximum cooling rate ≥5.0°C/s, significantly shortening overall run time. The system supports touchdown PCR, enhance workflow efficiency, delivering faster and more reliable experimental results.

Compact Design
Featuring a compact footprint, the system is designed to maximize valuable bench space in the laboratory. It weighs only 13.5 kg, allowing flexible placement and convenient relocation, without compromising stability or performance.

SPECIFICATIONS

Model	NeoGT X2
Reaction volume	0-100μL
Throughput	48*2
Compatible consumables	0.2mL single tube,0.2mL 8-tube strips
Touch Screen	10.1 inch
Temperature control range of the block	0.1-100°C
Temperature control mode	Tube mode & Block mode
Heating technology of the block	Peltier
Gradient block	8 row
Gradient interval range	1-65°C
Gradient temperature range	35-100°C
Lid temperature range	30°C-110°C
Uniformity of thermo control	±0.2°C
Accuracy of thermo control	≤0.1°C
Max Heating Rate	≥6.0°C
Max Cooling Rate	≥5.0°C
Data Storage	1000 protocols could be stored in machine
Interface	USB
Dimensions(W*D*H)	402mm*310mm*283mm
Weight	13.5kg
Power supply	AC 100~240V, 50/60Hz
Max.Power consumption	1200VA

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