



KLABS KTSPTC-110 Touch Screen PCR Thermal Cycler (32 Well)



Product Description

The KLABS KTSPTC-110 Touch Screen PCR Thermal Cycler (32 Well) is a compact, high-performance PCR system designed for rapid and accurate DNA amplification. It features advanced Peltier technology, a 5-inch touch screen, fast heating and cooling rates, excellent temperature accuracy, and USB & LAN connectivity, making it ideal for molecular biology, biotechnology, research, and clinical laboratories.

Features

- Advanced Peltier-based semiconductor technology
- Reinforced anodized aluminum module
- Fast heating rate (6°C/s)
- Fast cooling rate (5°C/s)
- 5-inch capacitive touch screen
- Graphical menu navigation
- Built-in program templates
- Real-time program monitoring
- One-touch incubation function
- USB & LAN connectivity
- Wi-Fi support
- Automatic restart after power failure
- Compact and user-friendly design



TOUCH
SCREEN



ACCURATE
& STABLE



USB
CONNECTIVITY



EASY
OPERATION



24
HOURS
WORKING

Application/Uses

- DNA amplification
- PCR analysis
- Molecular biology laboratories
- Clinical diagnostics
- Biotechnology laboratories
- Genetic research
- Academic & educational laboratories
- Quality control laboratories

Technical Specifications

Parameter	Specification
Product Name	Touch Screen PCR Thermal Cycler (32 Well)
Model Number	KTSPCTC-110
Single Step Time Range	1–59m59s
Hot Cover Temperature Range	30–110°C
Temperature Range	4–99.9°C
Maximum Steps per Program	30
Sample Capacity	32 × 0.2 ml
Maximum Program Cycle Number	99
Maximum Heating Rate	6°C/s
Time Increment / Decrement	-599 to +599 s
Maximum Cooling Rate	5°C/s
Temperature Increase / Decrease	-9.9 to +9.9°C
Temperature Uniformity	±0.20°C
Program Pause Function	Yes
Temperature Accuracy	±0.10°C
16°C Insulation	Forever
Temperature Display Resolution	0.1°C
Display	5-inch LCD (800 × 480 Pixels)
Temperature Control Method	Block / Tube
Program Storage Capacity	>100 Programs
Gradient Temperature Uniformity	±0.2°C
Communication Interface	USB 2.0
Gradient Temperature Accuracy	±0.2°C
Input Power	24V, 8A
Gradient Temperature Range	30–99.9°C
Overall Dimensions (W × D × H)	200 × 230 × 85 mm
Gradient Temperature Difference	0.1–30°C
Net Weight	3.2 kg

Standard Accessories

- Instruction Manual
- USB Cable
- Software