

THERMAL CYCLER

ALS-INS040



DESCRIPTION

The ALS-INS040 Touch cycler is the flagship of thermal cycling platform, offering unmatched performance for fast, accurate results and a state-of-the-art interface with new ways to optimize protocols and meet any researcher's unique needs. Choose from multiple interchangeable reaction modules use the intuitive touchscreen interface, optimize PCR assay using the gradient feature, Transport your files and data with a USB f lash drive connected to your laptop PC for remote monitoring and future upgrading.

FEATURES

- Single data transfer.
- Large colorful touchscreen display.
- Powerful heart and memory.
- Patented portable design for blocks.
- Reliable lids. • Environment & using friendly.
- Sample volume range: 10-100µl.
- Programmed method for hot start PCR, long PCR, touchdown PCR.
- Program features; program overwrite protection, Auto restart (after power outage).
- Optional Interchangeable block (384-well)

TECHNICAL SPECIFICATION

Block formats	Silverblocks:A:96x0.2ml, B: 54x0.5ml, C:96x0.2ml+77x0.5ml and D: 384 wells
Time range	0-99.9°C
Max. heating temperature	5.0°C/s
Max. cooling temperature	5.0°C/s
Heating/cooling adjustable rate	0.1-4.0°C/s
Temperature uniformity	± 0.5-95°C
Gradient temperature range	30-99°C
Thermal gradient span	1-30°C
Gradient uniformity	≤0.2°C(single row)
Hot lid temperature	20-110°C(Adjustable)
Temperature control mode	Block,tube
Memory capacity	2000**
Max. No. of cycle	999
Communication	USB2.0/RS232/RJ45
Size	380x270x250
Weight	8.1Kg
Intelligent diagnosis	108
Gradient PCR: Programmable	40-100°C
Power consumption	670W