

Product Description

The nL01-X2 is a portable real-time isothermal amplification analyzer that utilizes efficient, rapid, and simplified nucleic acid amplification technology for rapid detection and analysis of specific gene sequences.



Specification

Performance	Parameters
Sample Capacity	1
Reaction Volume	10~50uL
Consumables/Reactor Tube	0.2mL transparent PCR tube
Max Heating/Cooling Rate	Max heating rate 2°C/s
Temperature Range	Room temperature to 80°C can be customized
Temperature Accuracy	≤0.2°C
Fluorescence Channels	2
Compatible Fluorescent Dyes	Channel1 FAM/SYBR Green/LC Green/Eva Green Channel2 VIC/JOE/HEX/TET
Signal Acquisition	Fixed-point time scanning
Operation Mode	Application Software on Mobile
Status Display	LED indicator lights (Red: Running; Green: Idle)
Communication Method	Bluetooth
Power Supply	5V, 1A
Dimensions	45*45*52mm 300g

Product Features

- Portable Design:** The instrument is palm-sized and designed to be portable. It can be powered by a mobile power bank, allowing users to perform PCR experiments anytime, anywhere, whether indoors or outdoors.
- Data Management:** The experiment process, detection results, and amplification curves can be controlled and monitored through a mobile app. The data can be conveniently viewed and tracked by transferring it to the mobile app via Bluetooth.
- Open System:** The instrument is an open platform and can be adapted to different isothermal reaction reagents, such as LAMP, RPA, RAA, and other methods. Customization services can be provided based on the customer's reagent method.

