Nano-400A Ultra-micro Nucleic Acid Analyzer

Nano-400A ultra-micro nucleic acid analyzer is an instrument used to detect the concentration and purity of DNA and RNA. The sample size required for each measurement is only 1.0 to 2 μL. User can directly add the sample point to the sample plate without accessories such as cuvettes or capillaries.

- Ultra-micro nucleic acid analyzer with fixed wavelength (260 nm, 280 nm, 365 nm)
- Android system, 7-inch capacitive touch screen, no computer connection required
- LED light source, long life component
- It is mainly used to detect the concentration and purity of nucleic acid, and to detect the concentration of nucleic acid at 260 nm, the concentration of protein at 280 nm. The 260 / 280 ratio is used to measure the purity
- Newly designed OD600 optical path detection system, new cuvette mode, convenient for the concentration detection of bacteria, microorganisms and other culture solutions
- The test data is transferred to the computer via USB for easy sorting and analysis
- The built-in printer can print the report directly

Specification

	Nano-400A
Wavelength range	260 nm, 280 nm
Minimum sample size	1.0~2.0 μL
Path length	0.5 mm
Light source	UV LED
Detector type	UV-silicon photocell
Wavelength accuracy	----
Spectral resolution	≤ 8 nm
Absorbance precision	0.005 Abs
Absorbance accuracy	2 % (7.332 Abs at 260 nm)
Absorbance range	0.2~50 A
Nucleic acid detection range	10~2500 ng/μL (dsDNA)
Measurement time	< 6 s
Dimension (W×D×H) mm	208×280×186
Weight	2.0 kg
Sample pedestal material	Aluminum alloy and quartz fiber
Operating voltage	DC 24 V 2 A
Operating power	25 W
Standby power	5 W
Software compatibility	Android system

Cuvette mode (OD600 measurement)

Light source	LED
Wavelength range	600±8 nm
Absorbance range	0~4 A