

# NANO-400A Micro Spectrophotometer



## Product Description:

Nano-400A is a basic model of UV-VIS micro-volume Spectrophotometer designed for analyzing the concentration and purity of Nucleic Acid (DNA/RNA). It takes the measurements at wavelength of 230nm, 260nm, 280nm, with a sample of 1-2.0 ul. The Nano-400A can automatically complete the measurement within 5 seconds.

## Features:

1. Nano-400A is a basic micro-volume UV spectrophotometer designed (only 3 types of wavelength: 260nm, 280nm and 365nm ) for the measurement of nucleic acids and proteins.
2. Android system operation, 7 inch touch screen no computer, APP software, simple interface, easy to use
3. To detect the concentration of bacteria and microorganism are more convenient with the OD600 function
4. Measures nucleic acid concentration at 260nm and purity using the ratio 260/280
- 5 .Measure purified protein concentration at 280nm
6. The data can be printed with built-in printer, the data can output via SD-RAM Card and USB memory

## Specification

Model	Nano-400A
Wavelength Range	260nm; 280nm (365nm)
Minimum Sample Size	1~2.0ul
Path Length	0.5mm
Light Source	LED lamp
Detector Type	UV-silicon photocell
Wavelength Accuracy	—
Spectral Resolution	≤3nm (FWHM at Hg 546nm)
Absorbance Precision	0.005Abs
Absorbance Accuracy	2% (7.332Abs at 260nm)
Absorbance Range	0.2 – 50A
Detects Nucleic Acid up to	10~2500ng/ul (dsDNA)
Measurement Time	<6s
Dimensions (W x D x H)mm	208x 280 x 186
Data Output	USB, SD-RAM Card

Weight	2kg
Sample Pedestal Material	Aluminum alloy and Quartz fiber
Operating Voltage	24VDC
Operating Power Consumption	25W
Standby Power Consumption	5W
Software Compatibility	Android System
OD600nm Measurement:	
Light Source	LED
Wavelength Range	600±8nm
Absorbance Range	0~4A