

Micro- Spectrophotometer

GENAXY Nano 400A

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 2ul. User can directly add the sample point to the template without colorizing cup or capillary accessories.

Features

- ❖ 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.
- ❖ Android system operation, 7 inch touch screen no computer, APP software, simple interface, easy to use.
- ❖ To detect the concentration of bacteria and microorganism are more convenient with the OD600 function.
- ❖ Measures nucleic acid concentration at 260nm and purity using the ratio 260/280.
- ❖ Measure purified protein concentration at 280nm.
- ❖ The data can be printed with built-in printer, the data can output via SD-RAM Card and USB memory.



Technical Specification

Model	GEN-Nano-400A
Wavelength Range	260nm, 280nm
Sample Size	1-2.0µl
Path Length	0.5mm
Light Source	UV LED
Detector Type	UV-sillion photocell
Wavelength Accuracy	---
Spectral Resolution	---
Absorbance Precision	0.005Abs
Absorbance Accuracy	1% (7.332Abs at 260nm)
Absorbance Range	0.02 - 80A
Detects Nucleic Acid up to	10-4000ng/ul (dsDNA)
Measurement Time	<8s
Dimensions (W x D x H)mm	210 x 280 x 181
Data Output	USB
Weight	3.5kg
Sample Pedestal Material	Aluminum alloy and Quartz fiber
Operating Voltage	24VDC
Operating Power	25W
Standby Power	5W
Software Compatibility	Android System
Fluorescent Detection	
Sensitivity	dsDNA: 0.5pg/ul
Linear Dynamic Range	R2 > 0.995
Repeatability	< 1.5%
OD600nm Measurement	
Light Source	LED
Wavelength Range	600±8nm
Absorbance Range	0-4A

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