



## NANO SPECTROPHOTOMETER BSNA-104

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Biolab Nano spectrophotometer is a compact, micro volume UV Visible Spectrophotometer with enhanced sensitivity that can detect samples at 3ng/μl. It gives you fast measurement typically less than 5sec/sample and provides rapid and reproducible results without prior dilution. With robust instrumentation and ease of use, our product is most preferred for quick analysis in labs.

Used in Ideal choice for quantitation of protein, DNA, RNA and photometric measurements in analytical labs and research areas..

## BSNA-104 NANO SPECTROPHOTOMETER



User-friendly software, easy to use, free software updates are available

Only require 0.5~2μl sample to accurate determinate of nucleic acids, proteins

Fast and easy measurements which turn on and instantly measure without lamp warm up time; Easy measurement within 8 sec

Xenon flash lamp, 10 flashes, up to 10 years, no dilutions and expensive consumables

Direct microvolume measurements from 1-2μL of sample. Eliminates the need for expensive accessories

No computer required and with touch screen

Equipped with Android system operation ( BSNA-101, BSNA-103, BSNA-104 )

It is a basic UV spectrophotometer specifically designed (only two types of wavelength 260nm and 280nm) for nucleic acids and proteins

To detect the concentration of bacteria and microorganism are more convenient with the OD600 function

The BSNA-102/103/104 are full range of wavelength (200-800nm) detection ability; The BSNA-101

is a basic UV spectrophotometer specifically designed (only two types of wavelength 260nm and 280nm) for nucleic acids and proteins

BSNA-104 also can be used to test the Fluorescence, for samples with concentrations below 2 ng/μl, fluorometric mode can be used, and the minimum detection limit can reach 0.5pg/μl

## SPECIFICATIONS

Model	BSNA-104
Minimum Sample Size	0.5-2.0 μl
Wavelength Range	200-800 nm
Wavelength Accuracy	1 nm
Spectral Resolution	≤ 3 nm (FWHM at Hg 546 nm)
Absorbance Range	0.02-100A
Absorbance Accuracy	1% (7.332Abs at 260nm)
Absorbance Precision	0.003 Abs
Path Length	0.05 mm, 0.2 mm (High concentration measurement); 1.0 mm (Ordinary concentration)
Light Source	Xenon flash lamp
Detector	2048-linear silicon CCD array
Measurement Time	< 6s
Fluorescent detection	
Sensitivity	dsDNA: 0.5pg/ul
Linear Dynamic Range	R <sup>2</sup> > 0.995
Repeatability	<1.5%

OD600 nm Measurement	
Wavelength Range	600±8 nm
Absorbance Range	0-4A
Software	USB
Software Compatibility	Android System
Sample Pedestal Material	Aluminium alloy and Quartz fiber
Dimension (W/D/H)	210x310x181 mm
Display	HD
Weight (Net/Gross)	2.8 kg
Standby Power	5 W
Power	25 W
Power Supply	24V DC



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