![BioLab logo]

NANO SPECTROPHOTOMETER BSNA-403

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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.

BSNA-403 NANO SPECTROPHOTOMETER

By forming a liquid column, the sample required for one test is as low as 0.5 ul, and the trace amount is detected, saving precious samples

The detection concentration range is wide, and commonly used samples can be detected without dilution

The machine does not need to be warmed up, it can be detected after starting up, and the single detection time is about 5 seconds, and the detection is fast

Built-in software, easy and fast to operate, software running fast and stable, no delay, provide a stable user experience

Small size, easy to carry, very suitable for field testing

Can record all the data that the user tests, and has screenshot function, convenient for users to export precious data or delete data at any time

More than 10,000 data can be stored

It can be quickly upgraded by U disk, which is convenient for the instrument to update the software

With user management system, multi-user independent detection, independent management of data

High-definition 7-inch display screen, using capacitance touch screen, full touch operation, can sense the touch of laboratory gloves, longer life and better experience

Has power-on self-test function, it can quickly and accurately judge whether there are impurities in the detection platform when the machine is started up

The material of the sample detection platform is stainless steel and quartz optical fiber, high strength and anti-corrosion

With cuvette measurement function, the cuvette measurement provides stirring and heating auxiliary functions at the same time, which makes the cuvette detection more powerful and uses more detection scenarios

Support kinetic detection, kinetic detection provides users with an intuitive absorbance change curve, user-defined wavelength points to view the relationship between absorbance changes over time, and 100 kinetic programs can be built-in

Support colonies (OD600) detection, and the detection of colonies can be carried out in both cuvette and micro mode, which meets the different detection needs of users

SPECIFICATIONS

Model	BSNA-403
Test sample capacity	0.5~2 μl
Light source	Monochrome LED
Detector	2048 linear CCD array
Optical path Length	≤ 0.7 mm
Wavelength range	200 ~ 850 nm
Wavelength accuracy	1 nm
Wavelength resolution	≤ 2 nm
Light absorption range	0.04 ~ 300 Abs (10 mm)
Light absorption accuracy	0.002 Abs (1 mm)

Absorbance accuracy	1 %(0.76 Abs at 256 nm)
Detection concentration range	2 ~ 15000 ng/µl (dsDNA)
Sample base material	304 stainless steel and quartz optical fiber
Measure time	About 5 s
Dimensions	W.197 × D.327 × H.181 mm
Net weight	3.1 kgs
Specification of cuvette	L.12.5 x W.12.5 x H.45 mm
Optical path length of cuvette	10，5，2，1 mm
Cuvette beam height	6 mm
Heating range of cuvette	37 ± 0.5 ℃
Memory capacity	8 G
Measurement time	About 3 seconds
Mixing speed of cuvette	High and low modes
Cuvette detection concentration range	0.2 ~ 750 ng/µl (dsDNA)
Light absorption range of cuvette	0.004 ~ 25 Abs (10mm)
Operating system	Linux
Sampling range	1 ~ 20 ul
Dynamic range	5 orders of magnitude
Detector type	Photodiode
Excitation channel	Blue light : 430 nm ~ 495 nm
Transmission channel	Green light : 510 nm ~ 580 nm
Number of stored sample results	＞ 1000, can be exported via USB flash disk
Power	20 W
Power Supply	12 V，5 A