



## NANO SPECTROPHOTOMETER BSNA-203

# NANO SPECTROPHOTOMETER BSNA-203

## MICRO-SPECTROPHOTOMETER

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.



Wavelength range: 200nm-800nm

Wavelength accuracy:  $\pm 1.0$ nm

Easy user interface

Reduce sample loss and eliminate the need for dilution by using low volumes of samples in 0.5μl to 2.0μl for sample measurement. The appropriate path length can be selected automatically or by manual selection.

Rapid measurements. Read-time is typically takes less than 5sec per sample without washing cuvettes or dilutes the samples

Reliability and robust instrumentation. Easy to use interface

Press-to-read feature reduces the amount of time .Optics with no moving parts minimizes the incidence of optical misalignment

Calibration curves, kinetics or ratio measurements are displayed at the touch of

## SPECIFICATIONS

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Model                      | BSNA-203                                                                                                                          |
| Minimum Sample Size        | 0.3-2.0 μl                                                                                                                        |
| Wavelength Range           | 200-850 nm                                                                                                                        |
| Wavelength Accuracy        | $\pm 1$ nm                                                                                                                        |
| Wavelength Reproducibility | $< \pm 0.2$ nm                                                                                                                    |
| Spectral Bandwidth         | $\leq 5$ nm                                                                                                                       |
| Spectral Resolution        | 2 nm (FWHM at Hg 546)                                                                                                             |
| Absorbance Range           | 0.002-75 (150, 300 optional, 10mm equivalent absorbance)                                                                          |
| Absorbance Accuracy        | 1% (0.75 Abs at 350nm)                                                                                                            |
| Absorbance Precision       | 0.002 Abs                                                                                                                         |
| Path Length                | 1mm, 0.2mm, (0.1mm, 0.05mm optional)                                                                                              |
| Light Source               | Xenon flash lamp                                                                                                                  |
| Life Time of Lamp          | $10^9$ flashes upto 10 years                                                                                                      |
| Detector                   | 2048-element linear silicon CCD array                                                                                             |
| Detection Range            | Nucleic acid up to: 0.4~3750 ng/μL (7500, 15000 optional, dsDNA) and Protein up to: 0.01 mg/ml~100 mg/ml (200, 400 optional, BSA) |
| Start-up Time              | $< 5$ s                                                                                                                           |
| Measurement Time           | $< 5$ s                                                                                                                           |
| Dimension (W/D/H)          | 240x210x110 mm                                                                                                                    |
| Weight (Net/Gross)         | 1.92 kg                                                                                                                           |
| Power                      | 12V 4A 10 W                                                                                                                       |
| Power Supply               | 90-250V 50/60Hz                                                                                                                   |
| Alt Name                   | Micro-Spectrophotometer                                                                                                           |

## FEATURES

Wavelength range: 200nm-800nm

Wavelength accuracy:  $\pm 1.0$ nm

Easy user interface

Reduce sample loss and eliminate the need for dilution by using low volumes of samples in 0.5μl to 2.0μl for sample measurement. The appropriate path length can be selected automatically or by manual selection.

Rapid measurements. Read-time is typically takes less than 5sec per sample without washing cuvettes or dilutes the samples

Reliability and robust instrumentation. Easy to use interface

Press-to-read feature reduces the amount of time. Optics with no moving parts minimizes the incidence of optical misalignment

Calibration curves, kinetics or ratio measurements are displayed at the touch of a button at a connected computer.

Equipped with a built-in printer.

## APPLICATIONS

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



**Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)