BioLAB

PRODUCT CATALOG


# DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BSDBU-203-B

CE ISO9001 CERTIFIED

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# DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BSDBU-203-B

Designed to conserve benchspace, our product offers the measurement range of 190-1100nm at bandwidth of 1.8nm and 2nm. Engineered for a wide range of applications, our systems provide dependable performance and reliable results. It produces the photometric range of -0.3 to 3 A; 0-200 %T and photometric accuracy of ±0.2%T which makes it suitable for various quantitative assays.

## BSDBU-203-B DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER


Unique Long light path design

520mm long light path greatly improved the wavelength resolution

Advanced Stand-alone System with Multi Functions

Spectrum scanning, Standard curve, Kinetics, Multi wavelength, DNA/Protein test can be operated

directly on device and all corresponding curves and data can be displayed directly

Rigid Structure, 16mm-thick Optical Base

All optical components are fixed on a 16mm thick rigid die-cast aluminum board to promise higher stability and reliability

One-button Automatic Calibration System

One button auto calibration for baseline, wavelength and dark current to keep device in a good condition

6 inches High-Definition Large LCD Display

Large LCD display, all data and graphs can be shown directly and clearly

Easy Data Output by USB/Parallel Port

USB Port: Connect to computer and operate through PC software ( PC software is standard)

Parallel Port: Connect to micro thermal printer to print test data( Micro thermal printer is optional)

Powerful Software Functions

Spectrum scanning, Standard curves, Kinetics, Multi wavelength scanning, DNA/Protein test can be operated directly on computer

## SPECIFICATIONS

| Model | BSDBU-203-B |
|---|---|
| Wavelength Range | 190-1100 nm |
| Wavelength Accuracy | ±0.1 nm at 656.1 nm, ±0.3 nm at all range |
| Wavelength Repeatability | ≤ 0.1 nm |
| Spectral Bandwidth | 1 nm |
| Photometric Range | -0.3-3 A, 0-200% T, 0-9999 C |
| Photometric Accuracy | ±0.3% T (0-100% T) |
| Photometric Repeatability | ≤0.1% T (0-100% T) |
| Stability | ≤0.001 A/30 min at 500 nm |
| Stray Light | ≤0.05%T at 220 nm & 360 nm |
| Output | USB port & Parallel Port |
| Display | 320*240 Dots LCD |
| Light Source | W Lamp & D2 Lamp |

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|---|---|
| Detector | Silicon Photodiode |
| Power Requirements | AC110/220 V, 50/60 Hz |

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