BioLAB

PRODUCT CATALOG

DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BSDBU-205

CE ISO9001 CERTIFIED

www.biolabscientific.com

DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BSDBU-205

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-205 DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER

Sensitive Detection

High-quality Photomultiplier, fast response and high sensitivity

Especially suitable for weak radiation energy detection

Adjustable Bandwidth

Continuous adjustable spectral bandwidth from 0.1 to 5.0nm

0.1nm interval, suitable for various applications, especially suitable for samples with sharp absorption peaks, like

penicillin sodium, penicillin potassium, etc

High Stability and Reliability

An extra mercury lamp equipped, one-key calibration for wavelength accuracy

High-quality deuterium lamp and tungsten lamp, longer service time and higher stability

Premium lens and lens coating, higher repeatability

Real-time automatic calibration of dark current

Larger Sample Chamber, Multi Functions

Various optional accessories: auto 8-position cell holder, autosampler, thermostatic cell holder, integrating sphere and

specular reflection accessory, etc

PC Software Controlled

User-friendly UI, simple operation and clear display

Easy Maintain and Lower Cost

Independent modular design, lower maintenance cost

Socket type of lamps, easy to replace and no need to adjust optical path

SPECIFICATIONS

Model	BSDBU-205
Wavelength Range	190-900 nm
Wavelength Accuracy	±0.3 nm
Wavelength Repeatability	≤0.1nm
Spectral Bandwidth	Continuously adjustable from 0.1 nm to 5 nm, 0.1 nm interval
Photometric Accuracy	±0.3% T
Optical System	Double Beam
Detector	Photomultiplier (PMT)
Light Source	W Lamp & D2 Lamp & Mercury Lamp
Control Mode	PC Software Controlled
Stability	≤0.0001 A/h
Stray Light	≤0.005%T at 220 nm & 360 nm

Power Requirements	AC110/220 V, 50/60 Hz

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