



**DOUBLE BEAM UV VISIBLE  
SPECTROPHOTOMETER BSDBU-201**

# DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BSDBU-201

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  $\pm 0.2\%T$  which makes it suitable for various quantitative assays.

Used in Most suitable for quantitative determination assays and toxicological assays in environmental, industrial, pharmaceutical fields..

Also known as Vis Spectrometer, UV-Vis Spectrometer, Spectrometers, visible spectrophotometer.

## BSDBU-201 DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER

Wavelength range: 190-1100nm

Spectral Bandwidth: 0.5, 1.0, 2.0, 4.0nm

Optical System: Monochromator with 1200 lines/mm blazed holographic grating

Detector: Silicon Photodiode

Stray Light: Stray light is achieved at  $\leq 0.05\%T$  at 220 nm and 360 nm

Light source: Deuterium and tungsten halogen lamp

Sample size: A wide range of standard cuvettes to be use based on the sensitivity or sample volume requirements.

Sophisticated and simplified sample analysis software

The sample analysis software provides the scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting. With additional feature of an easy access USB port available in the unit that enables results to be stored directly to a USB memory stick for easy transfer of data.

Online software up gradation via internet (for stand-alone models)

HP or Epson Deskjet printer to print results and graphs

## SPECIFICATIONS

Model	BSDBU-201
Wavelength Range	190-1100 nm
Wavelength Accuracy	$\pm 0.3$ nm
Wavelength Repeatability	0.2 nm
Spectral Bandwidth	1.8 nm
Photometric Range	-0.3-3A,0-200%T,0-9999C
Photometric Accuracy	$\pm 0.3\%T$
Photometric Repeatability	0.2%T
Stability	$\pm 0.001$ A/h at 500nm
Baseline Flatness	$\pm 0.001A/h$
Stray Light	$\leq 0.05\%T$ at 220 nm,360 nm
Light Source	D2 Lamp & W Lamp
Detector	Silicon Photodiode
Gross Dimension (W/D/H)	625x430x206 mm
Display	LCD
Noise	$\pm 0.001A/h$
Weight (Net/Gross)	30 kg
Power Supply	220V/50Hz 110V/60Hz

## ACCESSORIES

Accessory Code	Name	Unit
3000706027	1 cm glass cuvette	4 pcs
3000706028	power cord	1 pcs
3000706029	dust cover	1 pcs
3000706030	1 cm quartz cuvette	2 pcs
3000706031	software kit	1 pcs

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Package Size (mm)
3000706032	Cell Holder	10mm single cell holder	
3000706033	Cell Holder	10mm 4-hole cell holder	
3000706034	Cell Holder	50mm 4-hole cell holder	
3000706035	Cell Holder	100mm 4-hole cell holder	
3000706036	Cell Holder	10mm 8-hole auto cell holder	
3000706037	Cell Holder	10mm 8-hole manual cell holder	
3000706038	Cell Holder	10mm single hole water jacketed ambient cell holder	
3000706039	Cell Holder	Adjustable cell holder for micro cuvettes	
3000706040	Cell Holder	Transparent film holder	
3000706006	Quartz Cuvettes with Lid		52.5x12.5x45
3000706007	Quartz Cuvettes with Lid		102.5x12.5x45
3000706008	Glass Cuvettes with Stopper		7.5x12.5x45
3000706009	Glass Cuvettes with Stopper		12.5x12.5x45
3000706010	Glass Cuvettes with Stopper		22.5x12.5x45
3000706011	Glass Cuvettes with Stopper		32.5x12.5x45
3000706012	Glass Cuvettes with Stopper		42.5x12.5x45
3000706013	Glass Cuvettes with Stopper		52.5x12.5x45
3000706014	Glass Cuvettes with Stopper		102.5x12.5x45
3000706015	Quartz Cuvettes with Stopper		7.5x12.5x45
3000706016	Quartz Cuvettes with Stopper		12.5x12.5x45
3000706017	Quartz Cuvettes with Stopper		22.5x12.5x45
3000706018	Quartz Cuvettes with Stopper		32.5x12.5x45
3000706019	Quartz Cuvettes with Stopper		42.5x12.5x45
3000706020	Quartz Cuvettes with Stopper		52.5x12.5x45
3000706021	Quartz Cuvettes with Stopper		102.5x12.5x45
3000706022	Micro Cuvettes		12.5x12.5x45
3000706023	Micro Cuvettes		12.5x12.5x45
3000706024	Micro Cuvettes		12.5x12.5x45
3000706025	Micro Cuvettes		12.5x12.5x45
3000706026	Software	UV Analyst	
3000706041	Cell Holder	Test tube holder	
3000706042	Control Units	Peltier system	
3000706043	Control Units	Sipper system	
3000706044	Control Units	Peltier/Sipper system	
3000706045	Control Units	Micro printer	

3000706046	Lamps	W lamp 12V; 20W ( Phillips)	
3000706047	Lamps	D2 lamp A510YXU	
3000706048	Lamps	D2 lamp A510YXU-002	
3000706049	Glass Cuvettes with Lid		7.5x12.5x45
3000706050	Glass Cuvettes with Lid		12.5x12.5x45
3000706051	Glass Cuvettes with Lid		22.5x12.5x45
3000706052	Glass Cuvettes with Lid		32.5x12.5x45
3000706053	Glass Cuvettes with Lid		42.5x12.5x45
3000706054	Glass Cuvettes with Lid		52.5x12.5x45
3000706055	Glass Cuvettes with Lid		102.5x12.5x45
3000706056	Quartz Cuvettes with Lid		7.5x12.5x45
3000706057	Quartz Cuvettes with Lid		12.5x12.5x45
3000706058	Quartz Cuvettes with Lid		22.5x12.5x45
3000706059	Quartz Cuvettes with Lid		32.5x12.5x45
3000706060	Quartz Cuvettes with Lid		42.5x12.5x45



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