



SPLIT BEAM UV VISIBLE SPECTROPHOTOMETER

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We combine ease of use with reliability for your routine analysis and research applications. Our product offers the measurement range of 190-1100nm at bandwidth of 1.8nm/4nm which provides better performance and increases lab productivity. Its affordable price and availability of optional accessories make it a versatile addition to your lab. Used in Ideal for life science, QA, pharmaceuticals, biochemistry, petrochemical labs, environment protection and general quality control applications..

100 SPLIT BEAM UV VISIBLE SPECTROPHOTOMETER



Wavelength range: 190nm-1100nm

Optical System: Split Double beam optical system

Czerny-Turner diffraction monochromator having 1200 lines/mm grating

Bandwidth: 1.8nm/4nm

Wide Measurement Range with ultra-low Stray Light at highest Resolution

With its ultra-low stray light ($\leq 0.05\%T$ (220nm, 340nm)) is achieved at wavelength range of 190 - 1100 nm

A wide range of standard cuvettes can be use based on the sensitivity or sample volume requirements.

Automatic 4-position cell holder and optional 7-position or 16-position cell holder

The Sample analysis software deliver scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.

USB data interface with online PC software ensures powerful function and data processing capabilities

With additional feature of an easy access USB port available in the unit, which enables results to be stored directly to a USB memory stick for easy transfer of data

Variety of optional accessories suitable for different applications including reflection sample holder, solid sample holder, water bath and auto sampler

SPECIFICATIONS

Model	BSSBU-101	BSSBU-101-PC
Wavelength Range	190-1100 nm	
Wavelength Accuracy	±0.5 nm	
Wavelength Repeatability	±0.2 nm	
Spectral Bandwidth	1.8 nm or 4 nm optional	
Photometric Range	0-200 %T	
-0.3-3.0 A	-9999-9999 C	
Photometric Accuracy	±0.002A (0-0.5A)	
±0.004A (0.5-1A)	±0.008A (1-2A)	
±0.3% (0-100%T)	Photometric Repeatability	
±0.002A (0-0.5A)	±0.004A (0.5-1A)	
±0.008A (1-2A)	±0.15% (0-100%T)	
Stability	±0.001 A/h at 500 nm, 0 A	
Baseline Flatness	±0.002 A	
Stray Light	≤0.05 %T (220nm, 340nm)	
Optical System	Split beam, Czerny-Turner; Grating 1200line/mm	
Software	None	PC with on-line software
Gross Dimension (W/D/H)	470x390x225 mm	
Display	LCD	

Noise	±0.001A
Weight (Net/Gross)	20 kg

OPTIONAL ACCESSORIES

Accessory Code	Name	Optical length	Description	For Models
3002006006	Quartz Cells - Melt together	1mm		All
3002006007	Quartz Cells - Melt together	2mm		All
3002006008	Quartz Cells - Melt together	5mm		All
3002006009	Quartz Cells - Melt together	10mm		All
3002006010	Quartz Cells - Melt together	20mm		All
3002006011	Quartz Cells - Melt together	30mm		All
3002006012	Quartz Cells - Melt together	40mm		All
3002006013	Quartz Cells - Melt together	50mm		All
3002006014	Quartz Cells - Melt together	100mm		All
3002006015	Glass Cell - Melt together	1mm		All
3002006016	Glass Cell - Melt together	2mm		All
3002006017	Glass Cell - Melt together	5mm		All
3002006018	Glass Cell - Melt together	10mm		All
3002006019	Glass Cell - Melt together	20mm		All
3002006020	Glass Cell - Melt together	30mm		All
3002006021	Glass Cell - Melt together	40mm		All
3002006022	Glass Cell - Melt together	50mm		All
3002006023	Glass Cell - Melt together	100mm		All
3002006024	Quartz fluorescence cell (With cover) - Melt together	10mm		All
3002006025	10mm Quartz Cells (with plug) - Melt together	10mm		All
3002006026	Micro cuvette - Melt together	10mm (1; 2; 4mm slit)		All
3002006027	Quartz Cells - Hydrogel type	1mm		All
3002006028	Quartz Cells - Hydrogel type	2mm		All
3002006029	Quartz Cells - Hydrogel type	5mm		All
3002006030	Quartz Cells - Hydrogel type	10mm		All
3002006031	Quartz Cells - Hydrogel type	20mm		All
3002006032	Quartz Cells - Hydrogel type	30mm		All
3002006033	Quartz Cells - Hydrogel type	40mm		All
3002006034	Quartz Cells - Hydrogel type	50mm		All
3002006035	Quartz Cells - Hydrogel type	100mm		All
3002006036	Glass Cell - Hydrogel type	1mm		All
3002006037	Glass Cell - Hydrogel type	2mm		All
3002006038	Glass Cell - Hydrogel type	5mm		All
3002006039	Glass Cell - Hydrogel type	10mm		All
3002006040	Glass Cell - Hydrogel type	20mm		All
3002006041	Glass Cell - Hydrogel type	30mm		All
3002006042	Glass Cell - Hydrogel type	40mm		All
3002006043	Glass Cell - Hydrogel type	50mm		All
3002006044	Glass Cell - Hydrogel type	100mm		All
3002006045	Quartz fluorescence cell (With cover) - Hydrogel type	10mm		All

3002006046	Micro cuvette - Hydrogel type	10mm (1; 2; 4mm slit)		All
3002006047	Black Micro cuvette (avoid light) - Hydrogel type	10mm (1; 2; 4mm slit)		All
3002006048	Tungsten Lamp			All
3002006049	Deuterium lamp		Heraeus 2.5V	All
3002006050	Scanning software			BSSBU-101



BSSBU-101



BSSBU-101-PC



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