



SPLIT BEAM UV VISIBLE SPECTROPHOTOMETER BSSBU-101

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SPLIT UVVIS SPECTROPHOTOMETER

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.



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, quanti

SPECIFICATIONS

Model	BSSBU-101
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	$\pm 0.002A$ (0-0.5A); $\pm 0.004A$ (0.5-1A); $\pm 0.008A$ (1-2A); $\pm 0.3\%$ (0-100%T)
Photometric Repeatability	$\pm 0.002A$ (0-0.5A); $\pm 0.004A$ (0.5-1A); $\pm 0.008A$ (1-2A); $\pm 0.15\%$ (0-100%T)
Stability	± 0.001 A/h at 500 nm, 0 A
Baseline Flatness	± 0.002 A
Stray Light	$\leq 0.05\%T$ (220nm, 340nm)
Optical System	Split beam, Czerny-Turner; Grating 1200 line/mm
Software	None
Gross Dimension (W/D/H)	470x390x225 mm
Display	LCD
Noise	$\pm 0.001A$
Weight (Net/Gross)	20 kg
Alt Name	Split UVVis Spectrophotometer

ACCESSORIES FOR PURCHASE

No	Name	Optical length
1	Quartz Cells - Melt together	1mm
2	Quartz Cells - Melt together	2mm
3	Quartz Cells - Melt together	5mm
4	Quartz Cells - Melt together	10mm
5	Quartz Cells - Melt together	20mm
6	Quartz Cells - Melt together	30mm
7	Quartz Cells - Melt together	40mm
8	Quartz Cells - Melt together	50mm
9	Quartz Cells - Melt together	100mm

10	Glass Cell - Melt together	1mm
11	Glass Cell - Melt together	2mm
12	Glass Cell - Melt together	5mm
13	Glass Cell - Melt together	10mm
14	Glass Cell - Melt together	20mm
15	Glass Cell - Melt together	30mm
16	Glass Cell - Melt together	40mm
17	Glass Cell - Melt together	50mm
18	Glass Cell - Melt together	100mm
19	Quartz fluorescence cell (With cover) - Melt together	10mm
20	10mm Quartz Cells (with plug) - Melt together	10mm
21	Micro cuvette - Melt together	10mm (1; 2; 4mm slit)
22	Quartz Cells - Hydrogel type	1mm
23	Quartz Cells - Hydrogel type	2mm
24	Quartz Cells - Hydrogel type	5mm
25	Quartz Cells - Hydrogel type	10mm
26	Quartz Cells - Hydrogel type	20mm
27	Quartz Cells - Hydrogel type	30mm
28	Quartz Cells - Hydrogel type	40mm
29	Quartz Cells - Hydrogel type	50mm
30	Quartz Cells - Hydrogel type	100mm
31	Glass Cell - Hydrogel type	1mm
32	Glass Cell - Hydrogel type	2mm
33	Glass Cell - Hydrogel type	5mm
34	Glass Cell - Hydrogel type	10mm
35	Glass Cell - Hydrogel type	20mm
36	Glass Cell - Hydrogel type	30mm
37	Glass Cell - Hydrogel type	40mm
38	Glass Cell - Hydrogel type	50mm
39	Glass Cell - Hydrogel type	100mm
40	Quartz fluorescence cell (With cover) - Hydrogel type	10mm
41	Micro cuvette - Hydrogel type	10mm (1; 2; 4mm slit)
42	Black Micro cuvette (avoid light) - Hydrogel type	10mm (1; 2; 4mm slit)
43	Tungsten Lamp	
44	Deuterium lamp	
45	Scanning software	

FEATURES

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

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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.

APPLICATIONS

Ideal for life science, QA, pharmaceuticals, biochemistry, petrochemical labs, environment protection and general quality control applications.



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