BioLAB

PRODUCT CATALOG

SCANNING UV VISIBLE SPECTROPHOTOMETER BSSUB-101-PC

CE ISO9001 CERTIFIED

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SCANNING UV VISIBLE SPECTROPHOTOMETER BSSUB-101-PC

ACCURATE SPLIT DOUBLE BEAM SCANNING UV-VISIBLE 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/4m 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: Double beam optical system
Czerny-Turner diffraction monochromator having 1200 lines/mm grating
Bandwidth: 1.8nm/4nm
Detector: Silicon Photodiode
Wide Measurement Range with ultra-low Stray Light at highest Resolution: With its ultra-low stray light (≤0.05 %T (220nm, 340nm)) is achieved at wavelength range of 190 - 1100 nm
Multi-wavelength pinpoint test for simultaneous testing of up to 30 wavelengths
Flexibility with various sample size: A wide range of standard cuvettes can be use based on the sensitivity or sample volume requirements.
Sophisticated and simplified sample analysis software: The Sample analysis softw

SPECIFICATIONS

Model	BSSUB-101-PC
Wavelength Range	190-1100 nm
Wavelength Accuracy	±0.3 nm
Wavelength Repeatability	0.2 nm
Spectral Bandwidth	0.5/1/2/4/5 nm variable
Photometric Range	0.200 %T, -0.3-3.0 A
Photometric Accuracy	±0.002A (0~0.5A), ±0.003A (0.5~1A), ±0.3%T (0~100%T)
Stability	±0.002 A/h at 500 nm
Baseline Flatness	±0.0015A
Scan Speed	High, Med., Low, Max 2000 nm/min
Stray Light	0.05 %T at (220/360 nm)
Light Source	Tungsten Halogen Lamp and Deuterium Lamp
Optical System	Split Beam Ratio Monitoring, Blazed Holographic Grating (1200 lines/mm)
Software	PC Scanning Software
Gross Dimension (W/D/H)	635x515x255 mm
Display	Graphic LCD
Weight (Net/Gross)	19 kgs / 24 kgs
Power Supply	AC110V/220V 50Hz/60Hz
Alt Name	Accurate Split Double Beam Scanning UV-visible 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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Multi-wavelength pinpoint test for simultaneous testing of up to 30 wavelengths
Flexibility with various sample size: A wide range of standard cuvettes can be use based on the sensitivity or sample volume requirements.

Sophisticated and simplified sample analysis software: The Sample analysis software deliver scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting.
With the 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.
USB data interface with online PC software ensures powerful function and data processing capabilities
Automatic 4-position cell holder and optional 7-position or 16-position cell holder
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, clinical, environmental and general quality control applications.

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