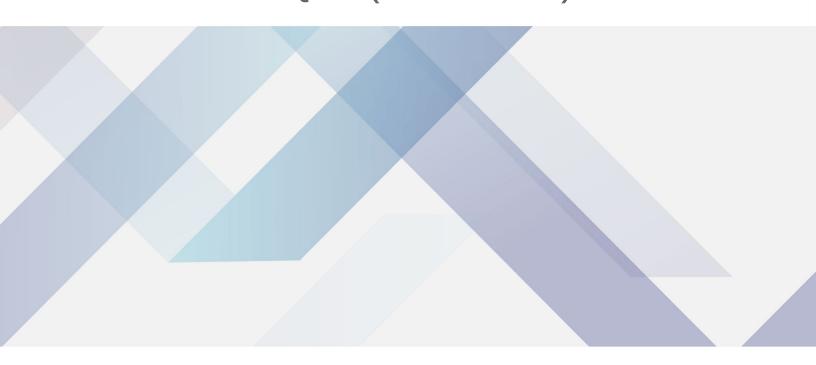# SCANNING UV VISIBLE SPECTROPHOTOMETER BEQ1I1 (BSSUB-101)

SCANNING UV VISIBLE SPECTROPHOTOMETER BEQ1I1

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	BEQ1I1
Old Model	BSSUB-101
Wavelength Range	190-1100 nm
Wavelength Accuracy	±0.3 nm
Wavelength Repeatability	0.2 nm
Spectral Bandwidth	1.8 nm
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)	545x468x245 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	Description	Unit	Light Path (mm)
1	Holder	4-cell holder for up to 50mm square cuvette		
2	Holder	4-cell holder for up to 100mm square cuvette		
3	Holder	Long path single cell holder for 100mm		
4	Holder	Single cell holder for 10mm square Cuvette		
5	Holder	Cylindrical cell holder(Ø16mm)		

#	Category	Description	Unit	Qty
6	Other	5° reflectance measurement attachment (minimum sample:20x20mm; central beam height:50mm)	/1pc	
7	Lamp	6v10w halogen lamp		
8	Lamp	12v20w halogen lamp (phillips)		
9	Lamp	12v20w halogen lamp (osram)		
10	Lamp	Milas deuterium lamp; 10v; 300ma; 30w		
11	Lamp	Deuterium lamp		
12	Thermo printer			
13	Stylus printer			
14	Cuvettes	Square cuvettes; glass 10mm	/4pcs	
15	Cuvettes	Square cuvettes; glass 20mm	/4pcs	
16	Cuvettes	Square cuvettes; glass 30mm	/4pcs	
17	Cuvettes	Square cuvettes; glass 50mm	/4pcs	
18	Cuvettes	Square cuvettes; glass 100mm	/4pcs	
19	Cuvettes	Square cuvettes; quartz 10mm	/2pcs	
20	Cuvettes	Square cuvettes; quartz 20mm	/2pcs	
21	Cuvettes	500ul micro cell; central-beam height:8.5mm; 15mm; 2x10x45mm; quartz	/1pc	
22	Cuvettes	1000ul micro cell; central-beam height:8.5mm; 15mm; 3x10x45mm; quartz	/1pc	
23	Software	Dongles for 31.61 application software; (UV analyst software)	/1set	
24	Software	Software (m.wave basic)	/1set	
25	Software	Software	/1set	
26	Software	Advanced PC window software (m.wave professional)	/1set	
27	Software	Software (m.wave basic)	/1set	
28	Holder	Cell holder for micro cells; Central beam height: 15mm		
29	USB connector line	USB connector line (only for m.wave basic)	/1pc	
30	Quartz Cuvette	Cell; 100ul; 1pcs; central beam height: 15mm		10
31	Quartz Cuvette	Cell; 200ul; 1pcs; central beam height:15mm		10
32	Cuvette	Flow cell; 5 mm; optical glass; 1pcs; central beam height:15mm; l5xw2xh5mm		
33	Cuvette	Flow cell; 10 mm; optical glass; 1pcs; central beam height:15mm; l10xw2xh5mm		
34	Cuvette	Flow cell; 20 mm; optical glass; 1pcs; central beam height:15mm; l20xw2xh5mm		
35	Cuvette	Flow cell; 30 mm; optical glass; 1pcs; central beam height:15mm; l30xw2xh5mm		
36	Cuvette	Flow cell; 5 mm; quartz; 1pcs; central beam height:15mm; l5xw2xh5mm		
37	Cuvette	Flow cell; 20 mm; quartz; 1pcs; central beam height:15mm; l20xw2xh5mm		
38	Other	A-100 peltier/sipper system; constant-temperature sipper system; holder beam height:15mm		
39	Holder	10mm water-jacketed 4-cell holder		
40	Holder	Test tube holder(Ø8-Ø22mm)		
41	Holder	Solid sample holder(Ø1.5mm-3mm; 1-position)		
42	Silicon tube	Silicon tube; 1bag=1pair(1m+1m)	/1bag	
43	Glass cuvettes	Square cuvettes; volume:900ul		2
44	Glass cuvettes	Square cuvettes; volume:450ul		1
45	Quartz cuvettes	Square cuvettes; volume:1800ul	/2pcs	5
46	Holder	4-cell holder for up to 100mm square cuvette		
47	Other	A-102 peltier system; constant-temperature system; holder beam height:15mm		
48	Holder	4-cell holder for 10mm to 50mm square cuvette		

FEATURES

Wavelength range: 190nm-1100nm

Optical System: Double beam optical system

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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 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.