



SCANNING UV VISIBLE SPECTROPHOTOMETER BSSCU-102

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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, clinical, environmental and general quality control applications..

BSSCU-102 SCANNING UV VISIBLE SPECTROPHOTOMETER



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 ($\leq 0.05\%T$ (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 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

SPECIFICATIONS

Model	BSSCU-102
Wavelength Range	190-1100 nm
Wavelength Accuracy	± 0.5 nm
Wavelength Repeatability	0.3 nm
Spectral Bandwidth	2 nm
Photometric Range	0-200 %T, -0.3 - 3.0 A, 0-9999 C
Photometric Accuracy	$\pm 0.5\%T$ or $\pm 0.004 A @ 1A$
Stability	0.0008 A/h @ 500 nm
Baseline Flatness	$\pm 0.002 A$
Scan Speed	Hi, Med., Low, Max 3000 nm/min
Stray Light	0.05 %T @ 220 nm, 360 nm
Light Source	Tungsten and Deuterium Lamp
Optical System	Single Beam , Grating 1200 lines/mm
Gross Dimension (W/D/H)	491x365x180 mm
Display	5 inches LCD (320*240 dots)
Weight (Net/Gross)	14 kg
Power Supply	AC110V/220V 50Hz/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Unit	Light Path (mm)
3000806007	Holder	4-cell holder for up to 50mm square cuvette		
3000806008	Holder	4-cell holder for up to 100mm square cuvette		
3000806009	Holder	Long path single cell holder for 100mm		
3000806010	Holder	Single cell holder for 10mm square Cuvette		
3000806011	Holder	Cylindrical cell holder(Φ16mm)		
3000806019	Other	5° reflectance meachment attachment (minimum sample:20x20mm ;central beam height:50mm)	/1pc	
3000806020	Lamp	6v10w halogen lamp	/1pc	
3000806021	Lamp	12v20w halogen lamp (phillips)		
3000806022	Lamp	12v20w halogen lamp (osram)		
3000806023	Lamp	Milas deuterium lamp; 10v;300ma; 30w		
3000806024	Lamp	Deuterium lamp	/1pc	
3000806025	Thermo printer			
3000806026	Stylus printer			
3000806027	Cuvettes	Square cuvettes; glass 10mm	/4pcs	
3000806028	Cuvettes	Square cuvettes; glass 20mm	/4pcs	
3000806029	Cuvettes	Square cuvettes; glass 30mm	/4pcs	
3000806030	Cuvettes	Square cuvettes; glass 50mm	/4pcs	
3000806031	Cuvettes	Square cuvettes; glass 100mm	/4pcs	
3000806032	Cuvettes	Square cuvettes; quartz 10mm	/2pcs	
3000806033	Cuvettes	Square cuvettes; quartz 20mm	/2pcs	
3000806034	Cuvettes	500ul micro cell ; central-beam height:8.5mm;15mm; 2x10x45mm; quartz	/1pc	
3000806035	Cuvettes	1000ul micro cell; central-beam height:8.5mm;15mm; 3x10x45mm; quartz	/1pc	
3000806036	Software	Dongles for 31.61 application software ; (UV analyst software)	/1set	
3000806037	Software	Software (m.wave basic)	/1set	
3000806038	Software	Software	/1set	
3000806039	Software	Advanced PC window software (m.wave professional)	/1set	
3000806040	Software	Software (m.wave basic)	/1set	
3000806041	Holder	Cell holder for micro cells; Central beam height: 15mm		
3000806042	USB connector line	USB connector line (only for m.wave basic)	/1pc	
3000806043	Quartz Cuvette	Cell; 100ul; 1pcs; central beam height: 15mm		10
3000806044	Quartz Cuvette	Cell; 200ul; 1pcs;central beam height:15mm		10
3000806045	Cuvette	Flow cell; 5 mm; optical glass; 1pcs;central beam height:15mm; l5xw2xh5mm		
3000806046	Cuvette	Flow cell; 10 mm; optical glass; 1pcs;central beam height:15mm; l10xw2xh5mm		
3000806047	Cuvette	Flow cell; 20 mm; optical glass; 1pcs;central beam height:15mm;l20xw2xh5mm		
3000806048	Cuvette	Flow cell; 30 mm; optical glass; 1pcs;central beam height:15mm; l30xw2xh5mm		
3000806049	Cuvette	Flow cell; 5 mm; quartz; 1pcs; central beam height:15mm; l5xw2xh5mm		
3000806050	Cuvette	Flow cell; 20 mm; quartz; 1pcs; central beam height:15mm; l20xw2xh5mm		
3001807006	Other	A-102 peltier system; constant-temperature system; holder beam height:15mm		

3000806052	Other	A-100 peltier/sipper system; constant-temperature sipper system; holder beam height:15mm		
3001808008	Holder	4-cell holder for 10mm to 50mm square cuvette		
3001806009	Holder	4-cell holder for up to 100mm square cuvette		
3000806054	Holder	10mm water-jacketed 4-cell holder		
3000806055	Holder	Test tube holder(Φ 8- Φ 22mm)		
3000806056	Holder	Solid sample holder(δ 1.5mm-3mm; 1-position)		
3000806057	Silicon tube	Silicon tube; 1bag=1pair(1m+1m)	/1bag	
3000806060	Glass cuvettes	Square cuvettes; volume:900ul		2
3000806061	Glass cuvettes	Square cuvettes; volume:450ul		1
3000806062	Quartz cuvettes	Square cuvettes; volume:1800ul	/2pcs	5



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