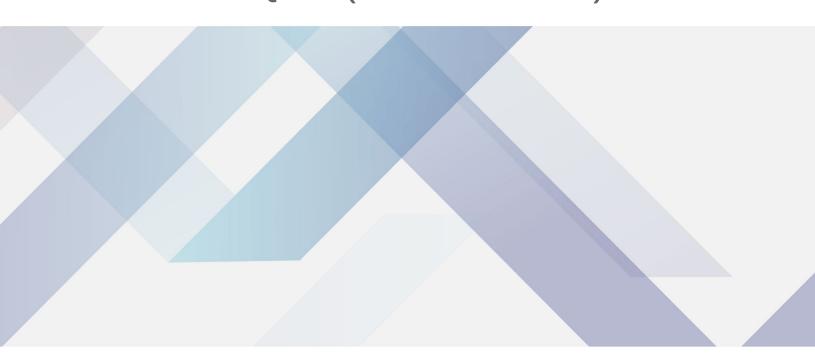






# SCANNING UV VISIBLE SPECTROPHOTOMETER BEQ1J1 (BSSUB-101-PC)





# SCANNING UV VISIBLE SPECTROPHOTOMETER BEQ1J1

#### 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	BEQ1J1	
Old 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

10Glass Cell - Melt together1mm11Glass Cell - Melt together2mm12Glass Cell - Melt together5mm13Glass Cell - Melt together10mm14Glass Cell - Melt together20mm15Glass Cell - Melt together30mm16Glass Cell - Melt together40mm17Glass Cell - Melt together50mm18Glass Cell - Melt together100mm19Quartz fluorescence cell ( With cover) - Melt together10mm2010mm Quartz Cells (with plug) - Melt together10mm21Micro cuvette - Melt together10mm (1; 2; 4mm slit)22Quartz Cells - Hydrogel type2mm23Quartz Cells - Hydrogel type5mm24Quartz Cells - Hydrogel type5mm25Quartz Cells - Hydrogel type20mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type50mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type50mm31Glass Cell - Hydrogel type5mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type5mm35Glass Cell - Hydrogel type5mm36Glass Cell - Hydrogel type5mm37Glass Cell - Hydrogel type5mm38Glass Cell - Hydrogel type5mm <th>8</th> <th>Quartz Cells - Melt together</th> <th>50mm</th>	8	Quartz Cells - Melt together	50mm
10         Glass Cell - Melt together         2mm           11         Glass Cell - Melt together         5mm           12         Glass Cell - Melt together         5mm           13         Glass Cell - Melt together         20mm           14         Glass Cell - Melt together         30mm           15         Glass Cell - Melt together         40mm           16         Glass Cell - Melt together         50mm           17         Glass Cell - Melt together         10mm           19         Quartz fluorescence cell ( With cover) - Melt together         10mm           20         10mm Quartz Cells - With plug) - Melt together         10mm           21         10mm Quartz Cells ( with plug) - Melt together         10mm           22         Quartz Cells - Hydrogel type         1mm           23         Quartz Cells - Hydrogel type         2mm           24         Quartz Cells - Hydrogel type         2mm           25         Quartz Cells - Hydrogel type         20mm           26         Quartz Cells - Hydrogel type         30mm           27         Quartz Cells - Hydrogel type         30mm           29         Quartz Cells - Hydrogel type         30mm           30         Quartz Cells - Hydrogel type	9	Quartz Cells - Melt together	100mm
12         Glass Cell - Melt together         10mm           13         Glass Cell - Melt together         20mm           14         Glass Cell - Melt together         30mm           15         Glass Cell - Melt together         30mm           16         Glass Cell - Melt together         40mm           17         Glass Cell - Melt together         10mm           18         Glass Cell - Melt together         10mm           19         Quartz fluorescence cell (With cover) - Melt together         10mm           20         10mm Quartz Cells (with plug) - Melt together         10mm           21         Micro cuvette - Melt together         10mm           22         Quartz Cells - Hydrogel type         2mm           23         Quartz Cells - Hydrogel type         2mm           24         Quartz Cells - Hydrogel type         3mm           25         Quartz Cells - Hydrogel type         30mm           26         Quartz Cells - Hydrogel type         30mm           27         Quartz Cells - Hydrogel type         30mm           28         Quartz Cells - Hydrogel type         30mm           30         Quartz Cells - Hydrogel type         50mm           31         Glass Cell - Hydrogel type         50mm <td>10</td> <td>Glass Cell - Melt together</td> <td>1mm</td>	10	Glass Cell - Melt together	1mm
13         Glass Cell - Melt together         20mm           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           22         Quartz Cells - Hydrogel type         1mm           23         Quartz Cells - Hydrogel type         2mm           24         Quartz Cells - Hydrogel type         2mm           25         Quartz Cells - Hydrogel type         20mm           26         Quartz Cells - Hydrogel type         30mm           27         Quartz Cells - Hydrogel type         30mm           28         Quartz Cells - Hydrogel type         30mm           30         Quartz Cells - Hydrogel type         100mm           31         Glass Cell - Hydrogel type         2mm           32         Glass Cell - Hydrogel type         30mm </td <td>11</td> <td>Glass Cell - Melt together</td> <td>2mm</td>	11	Glass Cell - Melt together	2mm
14         Glass Cell - Melt together         30mm           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           21         Micro cuvette - Melt together         10mm           21         Micro cuvette - Melt together         10mm           22         Quartz Cells - Hydrogel type         2mm           24         Quartz Cells - Hydrogel type         2mm           24         Quartz Cells - Hydrogel type         30mm           25         Quartz Cells - Hydrogel type         30mm           26         Quartz Cells - Hydrogel type         40mm           29         Quartz Cells - Hydrogel type         40mm           30         Quartz Cells - Hydrogel type         50mm           31         Glass Cell - Hydrogel type         5mm           32         Glass Cell - Hydrogel type         5	12	Glass Cell - Melt together	5mm
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           22         Quartz Cells - Hydrogel type         2mm           23         Quartz Cells - Hydrogel type         5mm           24         Quartz Cells - Hydrogel type         5mm           25         Quartz Cells - Hydrogel type         20mm           26         Quartz Cells - Hydrogel type         30mm           27         Quartz Cells - Hydrogel type         30mm           28         Quartz Cells - Hydrogel type         50mm           30         Quartz Cells - Hydrogel type         100mm           31         Glass Cell - Hydrogel type         2mm           32         Glass Cell - Hydrogel type         3mm           33         Glass Cell - Hydrogel type         3mm           34         Glass Cell - Hydrogel type         3mm <td>13</td> <td>Glass Cell - Melt together</td> <td>10mm</td>	13	Glass Cell - Melt together	10mm
16Glass Cell - Melt together40mm17Glass Cell - Melt together50mm18Glass Cell - Melt together100mm19Quartz fluorescence cell ( With cover) - Melt together10mm2010mm Quartz Cells (with plug) - Melt together10mm21Micro cuvette - Melt together10mm (1: 2: 4mm slit)22Quartz Cells - Hydrogel type1mm23Quartz Cells - Hydrogel type5mm24Quartz Cells - Hydrogel type5mm25Quartz Cells - Hydrogel type20mm26Quartz Cells - Hydrogel type30mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type50mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type2mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type30mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type30mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type10mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)4	14	Glass Cell - Melt together	20mm
17Glass Cell - Melt together50mm18Glass Cell - Melt together100mm19Quartz fluorescence cell (With cover) - Melt together10mm2010mm Quartz Cells (with plug) - Melt together10mm (1; 2; 4mm slit)21Micro cuvette - Melt together10mm (1; 2; 4mm slit)22Quartz Cells - Hydrogel type2mm23Quartz Cells - Hydrogel type5mm24Quartz Cells - Hydrogel type5mm25Quartz Cells - Hydrogel type20mm26Quartz Cells - Hydrogel type30mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type2mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type30mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type30mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp	15	Glass Cell - Melt together	30mm
18Glass Cell - Melt together100mm19Quartz fluorescence cell ( With cover) - Melt together10mm2010mm Quartz Cells (with plug) - Melt together10mm (1)21Micro cuvette - Melt together10mm (1)22Quartz Cells - Hydrogel type2mm23Quartz Cells - Hydrogel type5mm24Quartz Cells - Hydrogel type5mm25Quartz Cells - Hydrogel type20mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type2mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type30mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type30mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type50mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm (1; 2; 4mm slit)41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)	16	Glass Cell - Melt together	40mm
19Quartz fluorescence cell ( With cover) - Melt together10mm2010mm Quartz Cells (with plug) - Melt together10mm21Micro cuvette - Melt together10mm (1; 2; 4mm slit)22Quartz Cells - Hydrogel type1mm23Quartz Cells - Hydrogel type2mm24Quartz Cells - Hydrogel type5mm25Quartz Cells - Hydrogel type10mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type1mm32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type5mm35Glass Cell - Hydrogel type10mm36Glass Cell - Hydrogel type20mm37Glass Cell - Hydrogel type30mm38Glass Cell - Hydrogel type30mm39Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp	17	Glass Cell - Melt together	50mm
2010mm Quartz Cells (with plug) - Melt together10mm21Micro cuvette - Melt together10mm (1; 2; 4mm slit)22Quartz Cells - Hydrogel type1mm23Quartz Cells - Hydrogel type5mm24Quartz Cells - Hydrogel type10mm25Quartz Cells - Hydrogel type20mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type1mm32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type30mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm (1; 2; 4mm slit)41Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp10mm (1; 2; 4mm slit)	18	Glass Cell - Melt together	100mm
21Micro cuvette - Melt together10mm (1; 2; 4mm slit)22Quartz Cells - Hydrogel type2mm24Quartz Cells - Hydrogel type5mm25Quartz Cells - Hydrogel type10mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type1mm32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type20mm35Glass Cell - Hydrogel type30mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type30mm38Glass Cell - Hydrogel type40mm39Glass Cell - Hydrogel type50mm30Glass Cell - Hydrogel type100mm30Glass Cell - Hydrogel type100mm31Glass Cell - Hydrogel type100mm32Glass Cell - Hydrogel type100mm33Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm (1; 2; 4mm slit)41Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)	19	Quartz fluorescence cell ( With cover) - Melt together	10mm
22Quartz Cells - Hydrogel type1mm23Quartz Cells - Hydrogel type5mm24Quartz Cells - Hydrogel type10mm25Quartz Cells - Hydrogel type20mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type2mm32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type20mm35Glass Cell - Hydrogel type30mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type40mm39Glass Cell - Hydrogel type50mm30Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp10mm (1; 2; 4mm slit)	20	10mm Quartz Cells (with plug) - Melt together	10mm
23Quartz Cells - Hydrogel type2mm24Quartz Cells - Hydrogel type5mm25Quartz Cells - Hydrogel type10mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type1mm32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type30mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp10mt (1; 2; 4mm slit)44Deuterium lamp	21	Micro cuvette - Melt together	10mm (1; 2; 4mm slit)
24Quartz Cells - Hydrogel type5mm25Quartz Cells - Hydrogel type10mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type1mm32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type30mm38Glass Cell - Hydrogel type40mm39Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp10mt (1; 2; 4mm slit)	22	Quartz Cells - Hydrogel type	1mm
25Quartz Cells - Hydrogel type10mm26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type2mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type20mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell ( With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp10mm (1; 2; 4mm slit)44Deuterium lamp	23	Quartz Cells - Hydrogel type	2mm
26Quartz Cells - Hydrogel type20mm27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type2mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type20mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp44Deuterium lamp	24	Quartz Cells - Hydrogel type	5mm
27Quartz Cells - Hydrogel type30mm28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type2mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type20mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp44Deuterium lamp	25	Quartz Cells - Hydrogel type	10mm
28Quartz Cells - Hydrogel type40mm29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type1mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell ( With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp44Deuterium lamp	26	Quartz Cells - Hydrogel type	20mm
29Quartz Cells - Hydrogel type50mm30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type1mm32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp10mt (1; 2; 4mm slit)44Deuterium lamp	27	Quartz Cells - Hydrogel type	30mm
30Quartz Cells - Hydrogel type100mm31Glass Cell - Hydrogel type2mm32Glass Cell - Hydrogel type5mm33Glass Cell - Hydrogel type10mm34Glass Cell - Hydrogel type20mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell (With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp44Deuterium lamp	28	Quartz Cells - Hydrogel type	40mm
31Glass Cell - Hydrogel type1mm32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell ( With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp10mt (1; 2; 4mm slit)44Deuterium lamp	29	Quartz Cells - Hydrogel type	50mm
32Glass Cell - Hydrogel type2mm33Glass Cell - Hydrogel type5mm34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell ( With cover) - Hydrogel type10mm (1; 2; 4mm slit)41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp10mm (1; 2; 4mm slit)	30	Quartz Cells - Hydrogel type	100mm
Glass Cell - Hydrogel type  100mm  Quartz fluorescence cell ( With cover) - Hydrogel type  Micro cuvette - Hydrogel type  10mm (1; 2; 4mm slit)  Black Micro cuvette (avoid light) - Hydrogel type  10mm (1; 2; 4mm slit)  Tungsten Lamp  Deuterium lamp	31	Glass Cell - Hydrogel type	1mm
34Glass Cell - Hydrogel type10mm35Glass Cell - Hydrogel type20mm36Glass Cell - Hydrogel type30mm37Glass Cell - Hydrogel type40mm38Glass Cell - Hydrogel type50mm39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell ( With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp44Deuterium lamp	32	Glass Cell - Hydrogel type	2mm
Glass Cell - Hydrogel type 30mm Glass Cell - Hydrogel type 40mm Glass Cell - Hydrogel type 50mm Glass Cell - Hydrogel type 50mm Glass Cell - Hydrogel type 50mm Glass Cell - Hydrogel type 100mm Quartz fluorescence cell ( With cover) - Hydrogel type 10mm (1; 2; 4mm slit) Micro cuvette - Hydrogel type 10mm (1; 2; 4mm slit) Black Micro cuvette (avoid light) - Hydrogel type 10mm (1; 2; 4mm slit) Tungsten Lamp Deuterium lamp	33	Glass Cell - Hydrogel type	5mm
Glass Cell - Hydrogel type 30mm Glass Cell - Hydrogel type 40mm Glass Cell - Hydrogel type 50mm Glass Cell - Hydrogel type 100mm Quartz fluorescence cell ( With cover) - Hydrogel type 10mm Micro cuvette - Hydrogel type 10mm (1; 2; 4mm slit) Black Micro cuvette (avoid light) - Hydrogel type 10mm (1; 2; 4mm slit) Tungsten Lamp Deuterium lamp	34	Glass Cell - Hydrogel type	10mm
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	35	Glass Cell - Hydrogel type	20mm
Glass Cell - Hydrogel type 50mm Glass Cell - Hydrogel type 100mm Quartz fluorescence cell ( With cover) - Hydrogel type 10mm Micro cuvette - Hydrogel type 10mm (1; 2; 4mm slit) Black Micro cuvette (avoid light) - Hydrogel type 10mm (1; 2; 4mm slit) Tungsten Lamp 10mm (1; 2; 4mm slit) Deuterium lamp 10mm (1; 2; 4mm slit)	36	Glass Cell - Hydrogel type	30mm
39Glass Cell - Hydrogel type100mm40Quartz fluorescence cell ( With cover) - Hydrogel type10mm41Micro cuvette - Hydrogel type10mm (1; 2; 4mm slit)42Black Micro cuvette (avoid light) - Hydrogel type10mm (1; 2; 4mm slit)43Tungsten Lamp	37	Glass Cell - Hydrogel type	40mm
40 Quartz fluorescence cell ( With cover) - Hydrogel type 41 Micro cuvette - Hydrogel type 42 Black Micro cuvette (avoid light) - Hydrogel type 43 Tungsten Lamp 44 Deuterium lamp 46 I0mm 47 (1; 2; 4mm slit) 47 Ingsten Lamp 48 Deuterium lamp	38	Glass Cell - Hydrogel type	50mm
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	39	Glass Cell - Hydrogel type	100mm
42 Black Micro cuvette (avoid light) - Hydrogel type 43 Tungsten Lamp 44 Deuterium lamp 48 Deuterium lamp 49 Deuterium lamp	40	Quartz fluorescence cell ( With cover) - Hydrogel type	10mm
43 Tungsten Lamp 44 Deuterium lamp	41	Micro cuvette - Hydrogel type	10mm (1; 2; 4mm slit)
44 Deuterium lamp Deuterium lamp	42	Black Micro cuvette (avoid light) - Hydrogel type	10mm (1; 2; 4mm slit)
·	43	Tungsten Lamp	
45 Scanning software	44	Deuterium lamp	
	45	Scanning software	

# **FEATURES**

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 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.



# Biolab Scientific Ltd.