BioLAB

PRODUCT CATALOG

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER

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SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1Q1 BFU1Q2 BFU1Q4

BASIC SPECTROPHOTOMETER

The series is a basic spectrophotometer, which is widely used in education in universities and colleges, food & beverage production and quality control, agricultural monitoring, etc. It is an ideal choice for routine analysis and general experiments. Measured values can be transferred to PC via RS232 port for further analysis. PC software is optional

SPECIFICATIONS

Model	BFU1Q1	BFU1Q2	BFU1Q4
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	350-1020 nm	320-1020 nm	195-1020 nm
Spectral Bandwidth	6 nm	5 nm	
Wavelength Accuracy	±3 nm	±2 nm	
Wavelength Repeatability	1nm		
Photometric Range	0-200%T, -0.3~3.0A		
Photometric Accuracy	±1%T	±0.5%T	
Photometric Repeatability	0.5%T	0.2%T	
Stray light	0.5%T		0.3%T
Stability	0.004A		0.002A
Wavelength Setting	Manual		
Work Mode	T, A, C		
Display	4 LCD		
Light Source	Tungsten lamp		Deuterium & Tungsten lamp
Detector	Silicon Photodiode		
Cuvette Holder	10mm manual 4-cell holder		
Power	AC 110-220V 50-60Hz		
Shipping Size	520*450*320mm		
Gross Weight	10kg		
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, User's Manual		
Alt Name	Basic Spectrophotometer		

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1P1 BFU1P2 BFU1P3

BASIC SPECTROPHOTOMETER

1. 70* A 40mm white backlit LCD screen can display T, A, C, K, B.
2. Can make tests of Quantitative and Kinetics with optional PC software.
3. Adjust 0%A and 100%T automatically.
4. Store the measuring data and values of K and B.
5. A large sample chamber can accommodate 5-100mm cuvettes of all kinds.

SPECIFICATIONS

Model	BFU1P1	BFU1P2	BFU1P3
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	320-1020nm		190-1020nm
Spectral Bandwidth	4nm		2nm
Wavelength Accuracy	±2nm		
Wavelength Repeatability	≤1nm		
Photometric Range	0-200%T, -0.3-3.0A, 0-9999C	1-200%T, -0.3-3.0A, 0-9999C	2-200%T, -0.3-3.0A, 0-9999C
Photometric Accuracy	0.5%T	1.5%T	2.5%T
Photometric Repeatability	0.2%T	1.2%T	2.2%T
Stray light	≤0.15%T@360nm		
Stability	0.002A@500nm	1.002A@500nm	
Wavelength Setting	Manual		
Display	70*40mm white backlit LCD	71*40mm white backlit LCD	72*40mm white backlit LCD
Light Source	Tungsten lamp	Deuterium & Tungsten lamp	
Detector	Silicon Photodiode		
Cuvette Holder	10mm manual 4-cell holder	11mm manual 4-cell holder	12mm manual 4-cell holder
Output	RS232	RS233	RS234
Power	AC 110-220V 50-60Hz		
Shipping Size	520*450*320mm	521*450*320mm	522*450*320mm
Gross Weight	10kg	11kg	12kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, User's Manual	11mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, User's Manual	12mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, User's Manual
Alt Name	Basic Spectrophotometer		

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BEY1B1

VISIBLE SPECTROPHOTOMETER

• Latest Microprocessor Controlling System
One button auto zero calibration and 100%T calibration.
128*64 LCD display, direct readout of Transmittance, Absorbance and Concentration.
• Precision 1200 lines/mm Grating Monochromator
Ensure high photometric resolution, high accuracy and low stray light.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (Micro thermal printer is optional.)
• Wide Sample Chamber Enables Multi-functions

SPECIFICATIONS

Model	BEY1B1
Old Model	BSSBV-201
Optical System	Single Beam, grating 1200 lines/mm
Wavelength Range	325-1000 nm
Spectral Bandwidth	4 nm
Wavelength Accuracy	±2 nm
Wavelength Repeatability	≤0.5 nm
Wavelength Setting	Manually
Photometric Accuracy	±0.5%T
Photometric Repeatability	≤0.2%T
Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Photometric Mode	T, A, C, F
Stray Light	≤0.2%T at 360 nm
Display	128 X 64 Dots LCD
Detector	Silicon Photodiode
Output	USB Port & Parallel Port
Light Source	Tungsten Lamp
Power Requirements	AC 85~250 V
Alt Name	Visible Spectrophotometer

ACCESSORIES FOR PURCHASE

No	Name	Description	Quantity	Unit
1	1	spectrophotometer	1	Unit
2	2	1cm Glass cuvette	4	pcs
3	3	Power cord	1	pcs
4	4	User's manual	1	pcs
5	5	Black block	1	pcs
6	6	Dust Cover	1	pcs

FEATURES

• Latest Microprocessor Controlling System
One button auto zero calibration and 100%T calibration.
128*64 LCD display, direct readout of Transmittance, Absorbance and Concentration.

• Precision 1200 lines/mm Grating Monochromator
Ensure high photometric resolution, high accuracy and low stray light.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (Micro thermal printer is optional.)
• Wide Sample Chamber Enables Multi-functions
120mm wide sample chamber and long optical path monochromator provide enough space for optional accessories.
• Four Display Modes; One-Button Quick Switching
Transmittance, Absorbance, Concentration and Factor (Coefficient) mode.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1K1 BFU1K2

TOUCH SCREEN SINGLE BEAM SPECTROPHOTOMETER

1. 7-inch color touch screen and windows graphic interface.
2. The instrument has basic functions of photometric analysis and quantitative analysis.
3. In-house powerful storage capacity, which can store 2000 data and 97 working curves.
4. Optional accessories: Bluetooth printer, built-in printer, PC software etc.

SPECIFICATIONS

Model	BFU1K1	BFU1K2
Optical System	Single Beam	
Monochromator	C-T monochromator, Blazed Holographic Grating 1200 lines/nm	
Wavelength Range	320-1020 nm	190-1020 nm
Spectral Bandwidth	4nm	
Wavelength Setting	Manual	
Wavelength Accuracy	±2nm	
Wavelength Repeatability	±1nm	
Photometric Accuracy	±0.5%T, ±0.004A(0-0.5A), ±0.008A(0.5-1A)	
Photometric Repeatability	±0.5%T, ±0.004A(0-0.5A), ±0.008A(0.5-1A)	
Photometric Stability	±0.15%T, ±0.002A(0-0.5A), ±0.004A(0.5-1A)	
Photometric Range	0-200%T, -0.3~3A	
Stray Light	0.1%T	
Stability	0.002A (500nm, 3min)	
Work Mode	T, A, C	
Display	7-inch Color Touch Screen	
Light Source	Tungsten Lamp	Deuterium & Tungsten Lamp
Detector	Silicon Photodiode	
Cuvette Holder	10mm manual 4-cell holder	
Output	USB(A) for data transfer, USB(B) for PC software	
Power	AC 110-220V 50-60Hz	
Shipping Size	700*680*340mm	
Gross Weight	20kg	
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, Manual	

Alt Name	Touch Screen Single Beam Spectrophotometer

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BEY1C1 BEY1C2

SPECTROPHOTOMETER

• 2.5 inches High-Definition LCD Display
Standard curve and test results are clearly displayed.
• High-quality Tungsten Lamp and Deuterium Lamp
Longer service life, much more stable.
Lower stray light, higher photometric accuracy.
• Quick to Establish Standard Curve
Quick to establish a standard curve and measure the unknown samples.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (Micro thermal printers are optional.)

SPECIFICATIONS

Model	BEY1C1	BEY1C2
Old Model	BSSBV-202-A	BSSBV-202-B
Optical System	Single beam, grating 1200 lines/mm	
Wavelength Range	325-1000 nm	190-1000 nm
Bandwidth	2 nm	
Wavelength Accuracy	±2 nm	
Wavelength Repeatability	≤0.5 nm	
Wavelength Setting	Automatically	
Wavelength Resolution	0.1 nm	
Photometric Accuracy	±0.5%T	
Photometric Repeatability	≤0.2%T	
Photometric Range	-0.3-3A, 0-200%T, 0-9999C	
Photometric Mode	T, A, C, F	
Stray Light	≤0.1%T at 360 nm	≤0.1%T at 220 nm & 360 nm
Stability	≤0.002A/30 min at 500 nm	
Display	128*64 Dots LCD	
Detector	Silicon Photodiode	
Light Source	W Lamp	W Lamp & D2 Lamp
Output	USB port & Parallel Port	
Power Requirements	AC 85~250V	
Alt Name	Visible Spectrophotometer	UV Visible Spectrophotometer

ACCESSORIES FOR PURCHASE

No	Name	Description	Quantity	Unit
1	1	Spectrophotometer	1	unit
2	2	1cm Glass cuvette	4	pcs
3	3	1cm Quartz cuvette (only UV model)	2	pcs
4	4	Power cord	1	pcs

5	5	User's manual	1	pcs
6	6	Dust cover	1	pcs

FEATURES

• 2.5 inches High-Definition LCD Display
Standard curve and test results are clearly displayed.
• High-quality Tungsten Lamp and Deuterium Lamp
Longer service life, much more stable.
Lower stray light, higher photometric accuracy.
• Quick to Establish Standard Curve
Quick to establish a standard curve and measure the unknown samples.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (Micro thermal printers are optional.)
• Multiple Results Readout, Large Storage Capacity
Display 5 lines of results per page, including wavelength, absorbance and transmittance.
Up to 200 groups of test results can be saved in the device directly.
• Automatic Wavelength Setting
Set wavelength by arrow keys to reduce misoperation.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BHV1B1 BHV1B2 BHV1B3

SPECTROPHOTOMETER

Spectrophotometers are the ideal instrument for education and QC laboratories. Using your standard sample solutions, you can get a standard curve on the large LCD screen. They are widely used in colleges and enterprises for general quantitative analysis and experiments.

Single Beam UV Visible Spectrophotometer BHV1B1
Large LCD screen (128*64 Dots).
Can display a total 50 groups of data, 3 groups per screen. Can display standard curve and the curve equation.
The system can also save the test results. Total 200 groups of data and 200 standard curves can be saved; it is convenient for check and reload.
Data can be restored after a sudden power cut.
Auto setting wavelength.
Tungsten lamp & Deuterium lamp can be turned on/off individually to extend lifetime.
Pre-aligned design makes it convenient to change lamps.
A large sample compartment, it can accommodate 5-100 mm path length cuvettes wit

SPECIFICATIONS

Model	BHV1B1	BHV1B2	BHV1B3
Old Model	BSSBV-302	BSSUV-302	BSSUV-301
Wavelength Range	325-1000 nm	200-1000 nm	
Spectral Bandwidth	4 nm		
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Accuracy	±2 nm		
Wavelength Repeatability	0.8 nm		1 nm
Photometric Accuracy	±0.5%T or ±0.004A @ 1A		
Photometric Range	0-200%T,-0.3-3 A, 0-9999 Conc		

Stray Light	0.2%T	
Stability	±0.002 A/h @500 nm	
Detector	Silicon Photodiode	
Standard Cell Holder	4-position 10mm cell changer	4-position 10 mm cell changer
Sample Compartment	Standard 10mm pathlength cuvette	Standard 10 mm pathlength cuvette
Light Source	Tungsten lamp	Tungsten & Deuterium lamp
Output	USB Port & Parallel Port (Printer)	
Power Requirement	AC 110/220 V, 50/60 Hz	
Dimensions (LxWxH)	440 x 387 x 180 mm	
Weight	12 kg	14 kg
Alt Name	Spectrophotometer	

ACCESSORIES FOR PURCHASE

No	name
1	Micro Cell Holder (Beam height: 15mm)
2	8-Position Auto Cell Changer
3	4-Cell Holder for 10mm SQU.cuvette
4	4-Cell Holder for 50mm SQU.cuvette
5	4-Cell Holder for 100mm SQU.cuvette
6	Square Cuvettes Glass :10 mm
7	20 mm
8	30 mm
9	50 mm
10	100 mm
11	Square cuvettes Quartz:10 mm
12	20 mm
13	30 mm
14	50 mm
15	100 mm
16	Micro cell, Quartz (Beam height: 15mm) 100UL
17	200UL
18	500UL
19	Sipper System
20	Constant-Temperature System
21	Constant-Temperature Sipper System
22	Test Tube Holder
23	Cylindrical Cell Holder
24	Solid Sample Holder (Single Cell)
25	Water-Jacketed Cell Holder
26	10mm Water-Jacketed 4-Cell Holder
27	Milas Deuterium Lamp
28	Halogen Lamp(Philips)

29	Halogen Lamp(Philips)
30	Halogen Lamp(Osram)
31	Self Masking Cont. Flowthrough G.Cell (Beam height: 15mm) 5mm
32	10mm
33	20mm
34	30mm
35	Self Masking Cont. Flowthrough Q. Cell (Beam height: 15mm) 5mm
36	10mm
37	20mm
38	30mm
39	Thermal Printer


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FEATURES BHV1B1 BHV1B2

Large LCD screen (128*64 Dots).
Can display a total 50 groups of data, 3 groups per screen. Can display standard curve and the curve equation.
The system can also save the test results. Total 200 groups of data and 200 standard curves can be saved; it is convenient for check and reload.
Data can be restored after a sudden power cut.
Auto setting wavelength.
Tungsten lamp & Deuterium lamp can be turned on/off individually to extend lifetime.
Pre-aligned design makes it convenient to change lamps.
A large sample compartment, it can accommodate 5-100 mm path length cuvettes with optional holders. A variety of optional accessories are available.
The optional application software M. Wave Professional provides complete control of the spectrophotometer through the Built-in USB port. You can achieve the following functions:
I. Quantitative; II. Kinetics; III. Wavelength Scan; IV. Multi Wavelength; V. DNA/Protein.
Functions:
Basic Mode: Absorbance, Transmittance, Concentration.

Quantitative Functions:
Standard Curve
Maximum of 9 standard samples can be used to establish a standard curve: The curve equation will display on the screen simultaneously. You can test your unknown concentration solutions by the curve.
Coefficient Methods
If you have known the coefficients K&b of the formula C=K*A+b, you can input the value directly by button, then test your unknown solution.

FEATURES BHV1B3

Large LCD screen (128*64 Dots).
Can display a total 50 groups of data, 3 groups per screen. Can display standard curve and the curve equation.
The system can also save the test results. Total 200 groups of data and 200 standard curves can be saved; it is convenient for check and reload.
Data can be restored after a sudden power cut.
Auto setting wavelength.
Tungsten lamp & Deuterium lamp can be turned on/off individually to extend lifetime.
Pre-aligned design makes it convenient to change lamps.
A large sample compartment, it can accommodate 5-100 mm path length cuvettes with optional holders. A variety of optional accessories are available.
The optional application software M. Wave Professional provides complete control of the spectrophotometer through the Built-in USB port. You can achieve the following functions:
I. Quantitative; II. Kinetics; III. Wavelength Scan; IV. Multi Wavelength; V. DNA/Protein.
Functions:
Basic Mode: Absorbance, Transmittance, Concentration.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1J1 BFU1J2

TOUCH SCREEN SINGLE BEAM SPECTROPHOTOMETER

1. 7-inch color touch screen and windows graphic interface.
2. The instrument has basic functions of photometric analysis and quantitative analysis. With optional PC software, it expands
the applications, such as spectral scanning, kinetics, DNA/protein analysis, multi-wavelength test, etc.
3. Support fast scanning, automatic wavelength setting, and automatic lamp switching.
4. In-house powerful storage capacity, which can store 2000 data and 97 working curves.
5. Optional accessories: auto 8-cell holder, film holder, tube rack, Bluetooth printer, built-in printer, PC software etc.

SPECIFICATIONS

Model	BFU1J1	BFU1J2
Optical System	Single Beam	
Monochromator	C-T monochromator, Blazed Holographic Grating 1200lines/nm	
Wavelength Range	320-1100 nm	190-1100 nm
Spectral Bandwidth	4nm	
Wavelength Setting	Auto	
Wavelength Accuracy	±1nm	
Wavelength Repeatability	±0.5nm	
Photometric Accuracy	±0.5%T, ±0.004A(0-0.5A), ±0.008A(0.5-1A)	

Photometric Repeatability	±0.5%T, ±0.004A(0-0.5A), ±0.008A(0.5-1A)	
Photometric Stability	±0.15%T, ±0.002A(0-0.5A), ±0.004A(0.5-1A)	
Photometric Range	0-200%T, -0.3~3A	
Stray Light	0.1%T	
Stability	0.002A (500nm, 3min)	
Noise	0.15%T	
Work Mode	T, A, C, E	
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)	
Display	7-inch Color Touch Screen	
Light Source	Tungsten Lamp	Deuterium & Tungsten Lamp
Detector	Silicon Photodiode	
Cuvette Holder	10mm manual 4-cell holder	
Output	USB(A) for data transfer, USB(B) for PC software	
Power	AC 110-220V 50-60Hz	
Shipping Size	700*680*340mm	
Gross Weight	20kg	
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, Manual	
Alt Name	Touch Screen Single Beam Spectrophotometer	

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU101 BFU102

SINGLE BEAM SPECTROPHOTOMETER

1. Unique optical system, 1200 lines/mm grating and imported receiver to ensure its sound performance.
2. The instrument has basic functions of photometric analysis and quantitative analysis. With optional PC software, it expands
the applications, such as spectral scanning, kinetics, DNA/protein analysis, multi-wavelength test, etc.
3. Adopts 51 microcomputer systems, and can store 200 test data and 100 standard curves;
4. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
5. A large sample chamber can accommodate 5-100mm cuvettes of all kinds.
6. Extensive accessories are optional, such as 50/100mm manual 4-cell holder, au

SPECIFICATIONS

Model	BFU101	BFU102
Optical System	Single Beam, Grating 1200 lines/mm	
Wavelength Range	190-1000nm	
Spectral Bandwidth	2 nm	4 nm
Wavelength Accuracy	1nm	
Wavelength Repeatability	<=0.5nm	
Photometric Accuracy	0.5%T	
Photometric Repeatability	0.3%T	
Photometric Range	0-200%T, -0.3~3A, 0-9999C	
Stray light	0.3%T	

Stability	±0.002A/h @500nm
Baseline Flatness	±0.002 A
Noise	±0.001 A
Work Mode	T, A, C, E
Wavelength Setting	Auto
Display	128*64 LCD
Light Source	Deuterium & Tungsten lamp
Detector	Silicon Photodiode
Cuvette Holder	10mm manual 4-cell holder
Output	USB, RS232
Power	AC 110-220V 50-60Hz
Shipping Size	700*580*340mm
Gross Weight	20kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, User's Manual
Alt Name	Single Beam Spectrophotometer

FEATURES

1. Unique optical system, 1200 lines/mm grating and imported receiver to ensure its sound performance.
2. The instrument has basic functions of photometric analysis and quantitative analysis. With optional PC software, it expands the applications, such as spectral scanning, kinetics, DNA/protein analysis, multi-wavelength test, etc.
3. Adopts 51 microcomputer systems, and can store 200 test data and 100 standard curves;
4. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
5. A large sample chamber can accommodate 5-100mm cuvettes of all kinds.
6. Extensive accessories are optional, such as 50/100mm manual 4-cell holder, auto 8-cell holder, film holder, 21 CFR compliant software, etc.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BHV1C1 TO BHV1C8

SPECTROPHOTOMETER

Simple-to-use instruments with advanced performance, its stray light is only 0.05%T. The local stand-alone software provides functions of Photometry, Quantitative Test, Kinetics and System Utilities functions.

Large LCD screen (128*64 Dots).
The system can also save the test results, a total of 200 groups of data and 200 standard curves can be saved in the RAM. Convenient for check and reload.
Data can be restored after a sudden power cut.
Auto setting wavelength.
Tungsten lamp & Deuterium lamp can be turned on/off individually to extend lifetime.
The optional application software M. Wave Professional provides complete control of the spectrophotometer from a computer through the built-in USB port. It can expand to the following functions: Quantitative, Kinetics, Wavelength Scan, Multi-wavelength & DNA/Protein Test.
Pre-aligned design makes it convenient to change lamps.

SPECIFICATIONS

Model	BHV1C1	BHV1C2	BHV1C3	BHV1C4
Old Model	BSSBV-303	BSSBV-304	BSSUV-303	BSSUV-304
Wavelength Range	320-1100 nm		190-1100 nm	
Spectral Bandwidth	4 nm	2 nm	4 nm	2 nm

Optical System	Single Beam, Grating 1200 lines/mm	
Wavelength Accuracy	±0.5 nm	
Wavelength Repeatability	0.3 nm	
Photometric Accuracy	±0.5%T or ±0.004A @ 1A	
Photometric Range	0-200%T,-0.3-3 A, 0-9999 Conc	
Stray Light	0.05%T @ 360 nm	0.05%T @ 220 nm, 360 nm
Stability	±0.001 A/h @ 500 nm	
Display	Graphic LCD (128*64 dots)	
Keyboard	22 Membrane keypad	
Standard Cell Holder	Standard 10 mm pathlength cuvette	
Sample Compartment	4-position 10 mm cell changer	
Light Source	Tungsten lamp	Tungsten & Deuterium lamp
Output	USB Port & Parallel Port (Printer)	
Power Requirement	AC 110/220 V 50/60 Hz	
Dimensions (LxWxH)	470x373x187 mm	
Weight	12 kg	14 kg
Alt Name	Spectrophotometer	

Model	BHV1C5	BHV1C6	BHV1C7	BHV1C8
Old Model	BSSBV-303-PC	BSSBV-304-PC	BSSUV-303-PC	BSSUV-304-PC
Wavelength Range	320-1100 nm		190-1100 nm	
Spectral Bandwidth	4 nm	2 nm	4 nm	2 nm
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Accuracy	±0.5 nm			
Wavelength Repeatability	0.3 nm			
Photometric Accuracy	±0.5%T or ±0.004A @ 1A			
Photometric Range	0-200%T,-0.3-3 A, 0-9999 Conc			
Stray Light	0.05%T @ 360 nm		0.05%T @ 220 nm, 360 nm	
Stability	±0.001 A/h @ 500 nm			
Display	Graphic LCD (128*64 dots)			
Keyboard	22 Membrane keypad			
Standard Cell Holder	Standard 10 mm pathlength cuvette			
Sample Compartment	4-position 10 mm cell changer			
Light Source	Tungsten lamp		Tungsten & Deuterium lamp	
Output	USB Port & Parallel Port (Printer)			
Power Requirement	AC 110/220 V 50/60 Hz			
Dimensions (LxWxH)	470x373x187 mm			
Weight	12 kg		14 kg	
Alt Name	Spectrophotometer			

ACCESSORIES FOR PURCHASE

No	name
1	Micro Cell Holder (Beam height: 15mm)
2	8-Position Auto Cell Changer
3	4-Cell Holder for 10mm SQU.cuvette
4	4-Cell Holder for 50mm SQU.cuvette
5	4-Cell Holder for 100mm SQU.cuvette

6	Square Cuvettes Glass :10 mm
7	20 mm
8	30 mm
9	50 mm
10	100 mm
11	Square cuvettes Quartz:10 mm
12	20 mm
13	30 mm
14	50 mm
15	100 mm
16	Micro cell, Quartz (Beam height: 15mm) 100UL
17	200UL
18	500UL
19	Sipper System
20	Constant-Temperature System
21	Constant-Temperature Sipper System
22	Test Tube Holder
23	Cylindrical Cell Holder
24	Solid Sample Holder (Single Cell)
25	Water-Jacketed Cell Holder
26	10mm Water-Jacketed 4-Cell Holder
27	Milas Deuterium Lamp
28	Halogen Lamp(Philips)
29	Halogen Lamp(Philips)
30	Halogen Lamp(Osram)
31	Self Masking Cont. Flowthrough G.Cell (Beam height: 15mm) 5mm
32	10mm
33	20mm
34	30mm
35	Self Masking Cont. Flowthrough Q. Cell (Beam height: 15mm) 5mm
36	10mm
37	20mm
38	30mm
39	Thermal Printer


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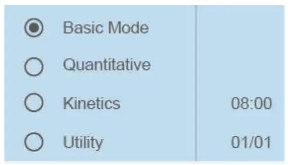
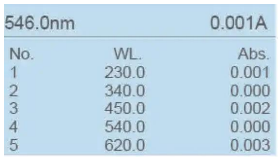
FEATURES

Large LCD screen (128*64 Dots).
The system can also save the test results, a total of 200 groups of data and 200 standard curves can be saved in the RAM.
Convenient for check and reload.
Data can be restored after a sudden power cut.
Auto setting wavelength.
Tungsten lamp & Deuterium lamp can be turned on/off individually to extend lifetime.
The optional application software M. Wave Professional provides complete control of the spectrophotometer from a computer through the built-in USB port. It can expand to the following functions: Quantitative, Kinetics, Wavelength Scan, Multi-wavelength & DNA/Protein Test.
Pre-aligned design makes it convenient to change lamps.
Large sample compartment; it can accommodate 5-100 mm path length cuvettes with optional holders. A variety of optional accessories are available.

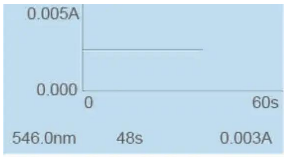
Main Menu:
Move the cursor on the function menu you want, then press ENTER key to go into the corresponding interface.



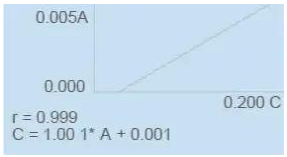
Basic Mode:
Absorbance, Transmittance or Concentration measurements.
It can display and save 200 groups of data, 5 groups per screen.



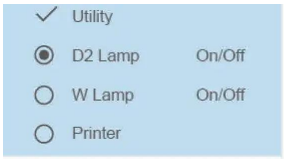
Kinetics:
This mode may be used for time course scanning or reaction rate calculations. Abs. VS Time graphs are displayed on the screen in real time. It can record 1000 data.



Quantitative:
Standard Curve
At most, 9 standard samples can be used to establish a standard curve. The curve and its equation will be displayed on the screen simultaneously. You can measure your unknown concentration solutions by the curve. Total 200 curves can be saved in the RAM.
Coefficient Method
If you have known the coefficient K*a + b is known, you can input them directly by the button, and then test your unknown solutions.



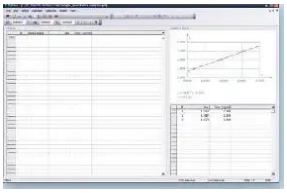
System Utilities:
Lamp management, time & date set, obtain dark current, calibrate wavelength, default system, and some other system functions.



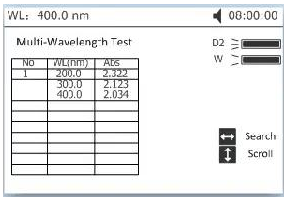
M. Wave Professional PC-Control Software:

Brief Introduction:
M. Wave Professional application software is based Microsoft Windows, the instrument can be controlled by PC software through the built-in USB communication port, which makes the UV/Vis Series with more functions and easy to control.

Quantitative:
Use up to 20 standards to establish a standard curve. Three methods for fitting a curve:
Linear fit.
Linear through zero.
Square fit.

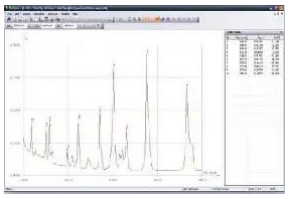


Multi-wavelength Test:
You can set up to 20 wavelengths to measure a sample.

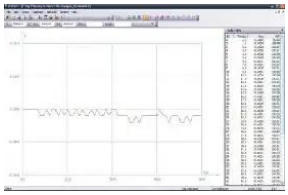


Wavelength Scan:

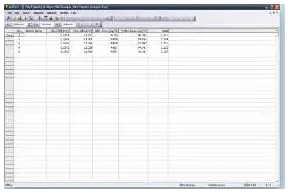
Automatically records peaks and valleys.
The quantity of the curves stored is unlimited.
Post-run manipulation and processing includes:
Re-scaling axes, curve.
Smoothing, combination, zooming, overlap.1 to 4 derivatives.



Kinetics:
The Kinetics mode may be used for scanning time courses or reacting rate calculations. Abs. Vs. Time graphs are displayed.



DNA/Protein Test:
Optional two formulas:
DNA Concentration = 62.9A260 - 36.0A280 or 49.1A260 - 75.8A230
You can also enter other wavelengths and factors to calculate.



Functions:
Photometry
Absorbance, Transmittance or Energy measurements. It can display and save 200 groups of data, 5 groups per screen.
Quantitative
Standard Curve
At most, 9 standard samples can be used to establish a standard curve. The curve and its equation will be displayed on the screen simultaneously. You can measure your unknown concentration solutions by the curve.
A total of 200 curves can be saved in the Memory.
Coefficient Method
If the coefficient k & b in the formula C = k*a + b is known, you can input them directly by the button, and then test your unknown solutions.
Kinetics
This mode may be used for time course scanning or reaction rate calculations. Abs. VS Time graphs are displayed on the screen in real time. It can record 1000 data.
System Utilities
Lamp management, time & date set, obtain dark current, calibrate wavelength, default system, and some other system functions.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BEY1D1 BEY1D2

SPECTROPHOTOMETER

• Precision Lead Screw Structure
Higher wavelength accuracy and wavelength resolution (0.1nm).
• Complete Numerical Keys; Automatic Wavelength Setting
All parameters can be easily set, like wavelength and concentration.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (A Micro thermo printer is optional.)
• 8mm thick Optical Base
All optical components are fixed on a 8mm thick rigid die-cast aluminum board to promise higher stability and reliability.

SPECIFICATIONS

Model	BEY1D1	BEY1D2
Old Model	BSSBV-204-A	BSSBV-204-B
Wavelength Range	320-1100 nm	190-1100 nm
Bandwidth	2 nm	
Wavelength Accuracy	±0.5 nm	
Wavelength Repeatability	≤0.2 nm	
Wavelength Setting	Automatically	
Photometric Accuracy	±0.2%T	
Photometric Repeatability	≤0.1%T	
Photometric Range	-0.3-3A, 0-200%T, 0-9999C	
Stability	≤0.001A/30 min at 500 nm	
Stray Light	≤0.05%T at 360 nm	≤0.05%T at 220 nm & 360 nm
Output	USB port & Parallel Port	
Display	128*64 Dots LCD	
Light Source	W Lamp	W Lamp & D2 Lamp
Detector	Silicon Photodiode	
Power Requirements	AC110/220V, 50/60Hz	
Alt Name	Visible Spectrophotometer	UV Visible Spectrophotometer

ACCESSORIES FOR PURCHASE

No	Name	Description	Quantity	Unit
1	1	Spectrophotometer	1	unit
2	2	1cm Glass cuvette	4	pcs
3	3	1cm Quartz cuvette (only UV model)	2	pcs
4	4	Power cord	1	pcs
5	5	User's manual	1	pcs
6	6	Dust cover	1	pcs

FEATURES

• Precision Lead Screw Structure
Higher wavelength accuracy and wavelength resolution (0.1nm).
• Complete Numerical Keys; Automatic Wavelength Setting
All parameters can be easily set, like wavelength and concentration.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (A Micro thermo printer is optional.)
• 8mm thick Optical Base
All optical components are fixed on a 8mm thick rigid die-cast aluminum board to promise higher stability and reliability.
• Imported Tungsten Lamp and Deuterium Lamp
Longer service life, much more stable.
Lower stray light, higher photometric accuracy.
• Quick to Establish Standard Curve
Quick to establish a standard curve and measure the unknown samples.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BGF1H1 BGF1H2 BGF1H3

UV-VIS SPECTROPHOTOMETER

Single Beam UV Visible Spectrophotometer BGF1H1
Standard scanning software can directly complete functions of Quantitative;Kinetics;Wavelength Scan; Multi Wavelength; DNA/Protein and Data processing.
Can establish calibration curves and implement associated tests. The instrument internal can be stored with 200 groups of data and 200 standard curves.
Suspended posture optical system design, strengthen and thicken the bottom plate to eliminate the vibration or transformation's impact on the optical system.
Automatic wavelength calibration and automatic deviation repair.
Tungsten and Deuterium lamps can be changed easily, without adjustment.
Standard with PC software.

SPECIFICATIONS

Model	BGF1H1	BGF1H2	BGF1H3
Wavelength Range	320-1100 nm	190-1000 nm	190-1100 nm
Bandwidth	2 nm		1.8 nm
Wavelength Accuracy	±0.5 nm	±1 nm	±0.5 nm
Wavelength Reproducibility	≤0.2 nm	≤0.3 nm	≤0.2 nm
Photometric Accuracy	±0.3 %T	±0.5 %T	±0.3 %T
Photometric Repeatability	≤0.15 %T	≤0.2 %T	≤0.15 %T
Straylight	≤0.05 %T		
Stability	±0.001A/h(500nm)		
Baseline Flatness	±0.001 A	-	±0.001 A
Noise	±0.0005 A	-	±0.0005 A
Photometric Range	0-200%T, -0.3-3A, 0-9999C		
Wavelength setting mode	Automatic		
Scanning speed	-		High/Middle/Low
Output	USB Port		
Printer port	Parallel Port		
Display	LCD (128x64)		LCD(320*240)

Light Source	Tungsten Lamp	Deuterium Tungsten Halogen Lamp	
Detector	Silicon Photodiode		
Power	220V AC ±10%/50Hz or 110V AC / 60Hz		
Dimension	460x380x180 mm	420x300x160 mm	460x380x180 mm
Weight	15 kg	13 kg	20 kg
Alt Name	Visible Spectrophotometer	UV-VIS Spectrophotometer	

BGF1H1 BGF1H2

BGF1H3

FEATURES BGF1H1

Standard scanning software can directly complete functions of Quantitative;Kinetics;Wavelength Scan; Multi Wavelength; DNA/Protein and Data processing.
Can establish calibration curves and implement associated tests. The instrument internal can be stored with 200 groups of data and 200 standard curves.
Suspended posture optical system design, strengthen and thicken the bottom plate to eliminate the vibration or transformation's impact on the optical system.
Automatic wavelength calibration and automatic deviation repair.
Tungsten and Deuterium lamps can be changed easily, without adjustment.
Standard with PC software.

FEATURES BGF1H2

Standard quantitative software can directly complete photometric analysis, quantitative tests and processing of analytical data.
Can establish calibration curves and implement associated tests. The instrument internal can be stored with 200 groups of data and 200 standard curves.
With the calibration curve method, we can establish multiple-point standard curves directly, on the basis of which we can measure the concentration of the unknown sample.
With the coefficient method, we can implement sample measurement directly after inputting the coefficient of the curvilinear equation.
Automatic wavelength calibration and automatic deviation repair.
Deuterium and tungsten lamps can be changed easily, without adjustment.
Standard with PC software.

FEATURES BGF1H3

The main unit and PC software can independently implement functions of Quantitative;Kinetics;Wavelength Scan; Multi Wavelength; DNA/Protein and Data Printing;PC software can complete the function of data processing.
Strong function of data processing makes user editing easier and more convenient.
Suspended posture optical system design, strengthen and thicken the bottom plate to eliminate the vibration or transformation's impact on the optical system.
Adopt synchronous sine institutions, high accuracy of the wavelength, repeatability.
Standard with PC software.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1I1 BFU1I2

TOUCH SCREEN SINGLE BEAM SPECTROPHOTOMETER

1. 7-inch color touch screen and windows graphic interface.
2. The instrument has basic functions of photometric analysis and quantitative analysis. With optional PC software, it expands
the applications, such as spectral scanning, kinetics, DNA/protein analysis, multi-wavelength test, etc.
3. Support fast scanning, automatic wavelength setting, and automatic lamp switching.
4. In-house powerful storage capacity, which can store 2000 data and 97 working curves.
5. Optional accessories: auto 8-cell holder, film holder, tube rack, Bluetooth printer, built-in printer, PC software etc.

SPECIFICATIONS

Model	BFU1I1	BFU1I2
Optical System	Single Beam	
Monochromator	C-T monochromator, Blazed Holographic Grating 1200lines/nm	
Wavelength Range	320-1100 nm	190-1100 nm
Spectral Bandwidth	2nm	
Wavelength Setting	Auto	
Wavelength Accuracy	±0.3nm	
Wavelength Repeatability	±0.1nm	
Photometric Accuracy	±0.5%T, ±0.004A(0-0.5A), ±0.008A(0.5-1A)	
Photometric Repeatability	±0.5%T, ±0.004A(0-0.5A), ±0.008A(0.5-1A)	
Photometric Stability	±0.15%T, ±0.002A(0-0.5A), ±0.004A(0.5-1A)	
Photometric Range	0-200%T, -0.3~3A	
Stray Light	0.05%T	
Stability	0.001A (500nm, 3min)	
Noise	0.15%T	
Work Mode	T, A, C, E	
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)	
Display	7-inch Color Touch Screen	
Light Source	Tungsten Lamp	Deuterium & Tungsten Lamp
Detector	Silicon Photodiode	
Cuvette Holder	10mm manual 4-cell holder	
Output	USB(A) for data transfer, USB(B) for PC software	
Power	AC 110-220V 50-60Hz	
Shipping Size	700*680*340mm	
Gross Weight	20kg	
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, Manual	
Alt Name	Touch Screen Single Beam Spectrophotometer	

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1M1 TO BFU1M4

SINGLE BEAM SPECTROPHOTOMETER

1. Large 320*240 dots highlighted LCD.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. A large sample chamber can accommodate 5-100mm cuvettes of all kinds.

SPECIFICATIONS

Model	BFU1M1	BFU1M2	BFU1M3	BFU1M4
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	190-1100 nm			320-1100nm
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5nm	2nm
Wavelength Accuracy	0.5nm	±0.1nm@656.1nm, ±0.3nm@all		
Wavelength Repeatability	0.2 nm	0.1nm		0.2 nm
Photometric Accuracy	±0.5%T	±0.3%T		±0.5%T
Photometric Repeatability		0.1%T(0~100%T)		
Photometric Range	0-200%T, -0.3~3A, 0-9999C			
Stray Light	0.05%T@220nm,360nm			
Stability	±0.0005A/h@500nm			
Baseline Flatness	±0.002 A			
Noise	±0.001 A			
Work Mode	T, A, C, E			
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)			
Wavelength Setting	Auto			
Display	320*240 LCD			
Light Source	Deuterium & Tungsten lamp			
Detector	Imported Silicon Photodiode			
Cuvette Holder	10mm manual 4-cell holder			
Output	USB, RS232			
Power	AC 110-220V 50-60Hz			
Shipping Size	810*660*390mm			
Gross Weight	27kg			
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software			
Alt Name	Single Beam Spectrophotometer			

FEATURES

1. Large 320*240 dots highlighted LCD.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. A large sample chamber can accommodate 5-100mm cuvettes of all kinds.
7. Extensive accessories are optional, such as auto 8-cell holder, film holder, tube rack, peltier/sipper system, integrating sphere, reflection accessory, 21 CFR compliant software, etc.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1B1 TO BFU1B4

SPECTROPHOTOMETER

1. 11-inch Touch Screen
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, Multiwavelength test, etc
3. Equipped with GLP/GMP functions, including user management, audit tracking, log inquiry, etc.
4. Support real-time sending of data via email and mobile SMS.
5. Adopts 3.0 Bluetooth protocol, with stable transmission and free interconnection within 10 meters.
6. Can be directly connected to laser printers via WiFi and thermal printers via Bluetooth.
7. Extensive accessories are optional, such as auto 5-cell/8-cell holder, film h

SPECIFICATIONS

Model	BFU1B1	BFU1B2	BFU1B3	BFU1B4
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	320-1100 nm		190-1100 nm	
Spectral Bandwidth	2nm		1nm	0.1/0.2/0.5/1/2/4/5nm
Wavelength Accuracy	±0.1nm@656.1nm, ±0.3nm@all			
Wavelength Repeatability	<=0.1nm			
Photometric Accuracy	±0.2%T(0~100%T), ±0.0005A(0-0.5A), ±0.0008A(0.5-1A)			
Photometric Repeatability	≤0.15%T (0-100%T), 0.0004A(0-0.5A), 0.0006A(0.5-1A)			
Photometric Range	0-400%T, -4~4A			
Resolution	0.00001Abs			
Stray Light	<=0.03%T@220nm, 360nm			
Stability	±0.0001A			
Baseline Flatness	±0.0004A			
Noise	0.0005A@500nm			
Work Mode	T, A, C, E			
Scanning Speed	Hi, Med, Low (Max. 6000nm/min)			
Display	11-inch Touch Screen			
Light Source	Tungsten lamp	Deuterium & Tungsten lamp		
Detector	Imported Silicon Photodiode			

Cuvette Holder	10mm 4-cell holder			
Output	Cloud connectivity/Email/SMS/Bluetooth/WiFi			
Power	AC 110-220V 50-60Hz			
Shipping Size	810*660*390mm	880*690*520mm	810*660*390mm	880*690*520mm
Gross Weight	27kg	45kg	27kg	45kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual			
Alt Name	Single Beam UV Visible Spectrophotometer			

FEATURES

1. 11-inch Touch Screen
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, Multiwavelength
test, etc
3. Equipped with GLP/GMP functions, including user management, audit tracking, log inquiry, etc.
4. Support real-time sending of data via email and mobile SMS.
5. Adopts 3.0 Bluetooth protocol, with stable transmission and free interconnection within 10 meters.
6. Can be directly connected to laser printers via WiFi and thermal printers via Bluetooth.
7. Extensive accessories are optional, such as auto 5-cell/8-cell holder, film holder, tube rack, integrating sphere, reflection accessory, peltier/sipper system, 21 CFR compliant software, etc.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1H1 BFU1H2

COLOR SCREEN SPECTROPHOTOMETER

1. 7 inches color screen and windows graphic interface.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multiwavelength
test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing,
analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.

SPECIFICATIONS

Model	BFU1H1	BFU1H2
Optical System	Single Beam, Grating 1200 lines/mm	
Wavelength Range	190-1100 nm	
Spectral Bandwidth	2nm	1nm
Wavelength Accuracy	±0.1nm @656.1nm	
Wavelength Repeatability	<=0.1nm	
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)	
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)	
Photometric Range	0-200%T, -0.3~3A, 0-9999C	
Stray Light	<=0.03%T@220nm, 360nm	
Stability	±0.0005A/h@500nm	

Baseline Flatness	±0.002A	±0.001A
Noise	0.0005A@500nm	
Work Mode	T, A, C, E	
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)	
Wavelength Setting	Auto	
Display	7 inches Color Screen	
Light Source	Deuterium & Tungsten lamp	
Detector	Imported Silicon Photodiode	
Cuvette Holder	10mm manual 4-cell holder	
Output	USB drive, USB host, RS232	
Power	AC 110-220V 50-60Hz	
Shipping Size	810*660*390mm	
Gross Weight	27kg	
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software	
Alt Name	Color Screen Spectrophotometer	

FEATURES

1. 7 inches color screen and windows graphic interface.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multiwavelength
test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.
7. Extensive accessories are optional, such as auto 8-cell holder, film holder, tube rack, peltier/sipper system, integrating sphere, reflection accessory, 21 CFR compliant software, etc.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1F1 BFU1F2 BFU1F3

TOUCH SCREEN SPECTROPHOTOMETER

1. 10.1 inches color touch screen and windows graphic interface.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multiwavelength
test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing,
analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.

SPECIFICATIONS

Model	BFU1F1	BFU1F2	BFU1F3
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	190-1100 nm		

Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5nm
Wavelength Accuracy	±0.1nm@656.1nm, ±0.3nm@all		
Wavelength Repeatability	<=0.1nm		
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)		
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)		
Photometric Range	0-200%T, -0.3~3A, 0-9999C		
Stray Light	<=0.03%T@220nm, 360nm		
Stability	±0.0005A/h@500nm		
Baseline Flatness	±0.002A	±0.001A	
Noise	0.0005A@500nm		
Work Mode	T, A, C, E		
Scanning Speed	Hi, Med, Low (Max. 3000 nm/min)		
Wavelength Setting	Auto		
Display	10.1 inches Color Touch Screen		
Light Source	Deuterium & Tungsten lamp		
Detector	Imported Silicon Photodiode		
Cuvette Holder	10mm manual 4-cell holder		
Output	USB drive, USB host, RS232		
Power	AC 110-220V 50-60Hz		
Shipping Size	810*660*390mm		
Gross Weight	27kg		
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software		
Alt Name	Touch Screen Spectrophotometer		

FEATURES

1. 10.1 inches color touch screen and windows graphic interface.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multiwavelength
test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.
7. Extensive accessories are optional, such as auto 8-cell holder, film holder, tube rack, peltier/sipper system, integrating sphere, reflection accessory, built-in printer, 21 CFR compliant software, etc.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU1G1 BFU1G2 BFU1G3

COLOR SCREEN SPECTROPHOTOMETER

1. 7 inches color screen and windows graphic interface.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multiwavelength test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.

SPECIFICATIONS

Model	BFU1G1	BFU1G2	BFU1G3
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	190-1100 nm		
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5nm
Wavelength Accuracy	±0.1nm @656.1nm		±0.3nm @all
Wavelength Repeatability	<=0.1nm		
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)		
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)		
Photometric Range	0-200%T, -0.3~3A, 0-9999C		
Stray Light	<=0.03%T@220nm, 360 nm		
Stability	±0.0005A/h@500nm		
Baseline Flatness	±0.002A	±0.001A	±0.002A
Noise	0.0005A@500nm		
Work Mode	T, A, C, E		
Scanning Speed	Hi, Med, Low (Max. 3000 nm/min)		
Wavelength Setting	Auto		
Display	7 inches Color Screen		
Light Source	Deuterium & Tungsten lamp		
Detector	Imported Silicon Photodiode		
Cuvette Holder	10mm manual 4-cell holder		
Output	USB drive, USB host, RS232		
Power	AC 110-220V 50-60Hz		
Shipping Size	810*660*390mm		
Gross Weight	27kg		
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software		
Alt Name	Color Screen Spectrophotometer		

FEATURES

1. 7 inches color screen and windows graphic interface.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multiwavelength
test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.
7. Extensive accessories are optional, such as auto 8-cell holder, film holder, tube rack, peltier/sipper system, integrating sphere, reflection accessory, built-in printer, 21 CFR compliant software, etc.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BEY1E1

UV VISIBLE SPECTROPHOTOMETER

Large LCD display, all data and graphs can be shown directly and clearly.
• Rigid Structure, 8mm-thick Optical Base
All optical components are fixed on an 8mm thick rigid die-cast aluminum board to promise higher stability and
reliability.
• Advanced Stand-alone System with Multi Functions
Spectrum scanning, Standard curve, Kinetics, Multi wavelength, DNA/Protein test can be operated
directly on device and all corresponding curves and data can be displayed directly.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is

SPECIFICATIONS

Model	BEY1E1
Wavelength Range	190-1100 nm
Bandwidth	1.8 nm
Wavelength Accuracy	±0.5 nm
Wavelength Repeatability	≤0.2 nm
Photometric Accuracy	±0.3%T (0-100%T)
Photometric Repeatability	≤0.1%T
Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Stability	≤0.001A/30 min at 500 nm
Stray Light	≤0.05%T at 220 nm & 360 nm
Output	USB port & Parallel Port
Display	320*240 Dots LCD
Light Source	W Lamp & D2 Lamp
Detector	Silicon Photodiode
Power Requirements	AC110/220V, 50/60Hz
Alt Name	UV Visible Spectrophotometer

ACCESSORIES FOR PURCHASE

No	Name	Description	Quantity	Unit
1	1	Spectrophotometer	1	unit
2	2	1cm Glass cuvette	4	pcs
3	3	1cm Quartz cuvette	2	pcs
4	4	Power cord	1	pcs
5	5	User's manual	1	pcs
6	6	Dust cover	1	pcs

FEATURES

Large LCD display, all data and graphs can be shown directly and clearly.
• Rigid Structure, 8mm-thick Optical Base
All optical components are fixed on an 8mm thick rigid die-cast aluminum board to promise higher stability and reliability.
• Advanced Stand-alone System with Multi Functions
Spectrum scanning, Standard curve, Kinetics, Multi wavelength, DNA/Protein test can be operated directly on device and all corresponding curves and data can be displayed directly.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is optional.)
Parallel Port: Connect to micro thermal printer to print test data. (Micro thermo printer is optional.)

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BEY1F1 BEY1F2 BEY1F3

UV VISIBLE SPECTROPHOTOMETER

• Unique Long light path design
520mm long light path greatly improved the wavelength resolution.
• Advanced Stand-alone System with Multi Functions
Spectrum scanning, Standard curve, Kinetics, Multi wavelength, DNA/Protein test can be operated
directly on device and all corresponding curves and data can be displayed directly.
• Rigid Structure, 16mm-thick Optical Base
All optical components are fixed on a 16mm thick rigid die-cast aluminum board to promise higher stability and reliability.
• One-button Automatic Calibration System
One button auto calibration for baseline, wavelength and dark current to keep de

SPECIFICATIONS

Model	BEY1F1	BEY1F2	BEY1F3
Old Model	BSDBU-203-A	BSDBU-203-B	BSDBU-203-C
Wavelength Range	190-1100 nm		
Bandwidth	1.8 nm	1 nm	0.5 / 1 / 2 / 4 nm
Wavelength Accuracy	±0.1 nm at 656.1 nm, ±0.3 nm at all range		
Wavelength Repeatability	≤0.1 nm		
Photometric Accuracy	±0.3%T (0-100%T)		
Photometric Repeatability	≤0.1%T (0-100%T)		
Photometric Range	-0.3-3A, 0-200%T, 0-9999 C		
Stability	≤0.001A / 30 min at 500 nm		
Stray Light	≤0.05%T at 220 nm & 360 nm		

Output	USB port & Parallel Port
Display	320*240 Dots LCD
Light Source	W Lamp & D2 Lamp
Detector	Silicon Photodiode
Power Requirements	AC110/220V, 50/60Hz
Alt Name	UV Visible Spectrophotometer

ACCESSORIES FOR PURCHASE

No	Name	Description	Quantity	Unit
1	1	Spectrophotometer	1	unit
2	2	PC software	1	set
3	3	1cm Glass cuvette	4	pcs
4	4	1cm Quartz cuvette	2	pcs
5	5	Power cord	1	pcs
6	6	User' manual	1	pcs
7	7	Dust cover	1	pcs

FEATURES

• Unique Long light path design
520mm long light path greatly improved the wavelength resolution.
• Advanced Stand-alone System with Multi Functions
Spectrum scanning, Standard curve, Kinetics, Multi wavelength, DNA/Protein test can be operated directly on device and all corresponding curves and data can be displayed directly.
• Rigid Structure, 16mm-thick Optical Base
All optical components are fixed on a 16mm thick rigid die-cast aluminum board to promise higher stability and reliability.
• One-button Automatic Calibration System
One button auto calibration for baseline, wavelength and dark current to keep device in a good condition.
• 6 inches High-Definition Large LCD Display
Large LCD display, all data and graphs can be shown directly and clearly.
• Easy Data Output by USB/Parallel Port
USB Port: Connect to computer and operate through PC software. (PC software is standard.)
Parallel Port: Connect to micro thermal printer to print test data. (Micro thermal printer is optional.)
• Powerful Software Functions
Spectrum scanning, Standard curves, Kinetics, Multi wavelength scanning, DNA/Protein test can be operated directly on computer.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BEY1H1

SPECTROPHOTOMETER

• Large HD Smart Touch Screen
High sensitivity and user-friendly UI for easy operation.
• Stand-Alone System with Multi Functions
Spectrum scanning, Standard curve, Kinetics, Multi wavelength, DNA/Protein test can be operated
directly on device without PC software.
• Automatic 8-position Cell Holder
Higher efficiency of experiment to save time.
• Easy Printing
Available to connect with general office printer directly (HP DeskJet 1111/1112/2723).
• USB Port, Fast Data Output

SPECIFICATIONS

Model	BEY1H1
Old Model	BSSBV-206
Optical System	Single Beam
Light Source	W Lamp & D2 Lamp
Wavelength Range	190-1100nm
Bandwidth	1.8nm
Display	7-inch Touch Screen
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	≤0.2nm
Photometric Accuracy	±0.3%T (0-100%T); ±0.002Abs (0-0.5Abs); ±0.004Abs (0.5-1.0Abs)
Photometric Repeatability	≤0.1%T (0-100%T); ≤0.001Abs (0-0.5Abs); ≤0.002Abs (0.5-1.0Abs)
Stability	≤0.001A/h@250nm & 500nm, 2hrs warm-up
Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Stray Light	≤0.05%T at 220nm & 360nm
Control Mode	Stand-alone System or PC Software (Optional)
Data Output	USB Port or Bluetooth (Optional)
Power Requirement	AC 110/220V, 50/60Hz
Alt Name	Single Beam UV Visible Spectrophotometer

ACCESSORIES FOR PURCHASE

No	Name	Description	Quantity	Unit
1	1	Spectrophotometer	1	unit
2	2	1cm Glass cuvette	4	pcs
3	3	1cm Quartz cuvette	2	pcs
4	4	Power cord	1	pcs
5	5	User's manual	1	pcs
6	6	Dust cover	1	pcs

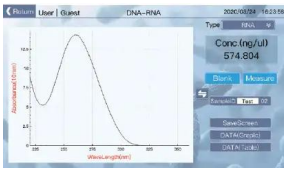
FEATURES

• Large HD Smart Touch Screen
High sensitivity and user-friendly UI for easy operation.
• Stand-Alone System with Multi Functions
Spectrum scanning, Standard curve, Kinetics, Multi wavelength, DNA/Protein test can be operated directly on device without PC software.
• Automatic 8-position Cell Holder
Higher efficiency of experiment to save time.
• Easy Printing
Available to connect with general office printer directly (HP DeskJet 1111/1112/2723).
• USB Port, Fast Data Output
All test data can be exported to USB disk directly.
• Optional Bluetooth Module and PC software.
Bluetooth function and PC software are optional to meet different applications.
• Large Sample Chamber, Multi Options of Accessories
1-10cm universal cell holder, test tube holder, film holder, integrating sphere, specular reflectance accessory, peltier/sipper system, etc.
• High-quality Grating with High Performance
Lower stray light, higher stability and reliability.
• 16mm-thick Optical Base, Rigid Structure
All optical components are fixed on a 16mm thick rigid die-cast aluminum board to promise higher stability and reliability.

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFA1B1 BFA1B2

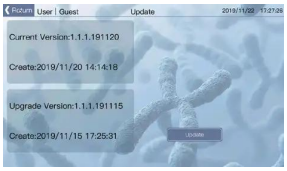
ULTRA-MICRO ULTRAVIOLET-VISIBLE SPECTROPHOTOMETER

Ultra-micro ultraviolet-visible spectrophotometer is a full-wavelength ultra-micro ultraviolet-visible spectrophotometer. The micro detection mode can be used to detect nucleic acids, micro nucleic acid arrays, pure protein detection, labeled protein detection, protein quantitative detection, microbial cell culture detection and Conventional full-wavelength scanning, cuvette detection mode can measure nucleic acid, protein, microbial cell culture and Kinetic testing.

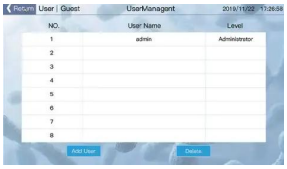


Measurement interface
Fast and stable operation without delay

Data interface
(more than 10000 data can be stored) history record, screenshot, data export function



Upgrade interface
U disk quick upgrade, update software



User interface
Multi-user independent detection and independent management

Single Beam UV Visible Spectrophotometer BFA1B1
Small size, easy to carry, very suitable for field testing.
It can be quickly upgraded by U disk, which is convenient for the instrument to update the software.
The detection concentration range is wide, and commonly used samples can be detected without dilution.
Has a power-on self-test function, it can quickly and accurately judge whether there are impurities in the detection platform when the machine is started up.
The machine does not need to be warmed up, it can be detected after starting up, and the single detection time is about 5 seconds, and the detection is fast.
By forming a liquid column, the sample required for one test is as low as 0.5ul.
Colony detection can be performed in both cuvette and micro mode.

SPECIFICATIONS

Model	BFA1B1	BFA1B2
Old Model	BSNA-402	BSNA-401
Test sample capacity	0.5~2μl	
Light source	Xenon lamp	
Detector	2048 linear CCD array	
Optical path	≤0.7mm	
Wavelength range	200~850nm	
Wavelength accuracy	<1nm	
Wavelength resolution	≤2nm	
Light absorption range	0.04~300Abs (10mm)	
Light absorption accuracy	0.002Abs (1mm)	
Spectral bandwidth	≤1.8mm(FWHM)	
Spectral resolution	≤0.3nm	
Absorbance accuracy	1%(0.76Abs at 256nm)	
Detection concentration range	2~15000ng/μl(dsDNA)	
Sample base material	304 stainless steel and quartz optical fiber	
Measure time	About 5s	
Power	20W	
Power Adapter	12V , 5A	
Dimensions	W.197xD.327xH.181mm	
Net weight	3.1kgs	
Cuvette specifications	12.5mm(L)x12.5mm(W)x45mm(H)	/
Cuvette optical path length	10, 5, 2, 1mm	/
Cuvette beam height	8mm	/
Heating range of cuvette	37±0.5℃	/
Stirring speed of cuvette	High and low two modes	/
Detection concentration range of cuvette	0.2~75ng/μl(dsDNA)	/
Light absorption range of cuvette	0.004~1.5Abs (10mm)	/
Alt Name	Ultra-micro ultraviolet-visible Spectrophotometer	

BFA1B1

BFA1B2

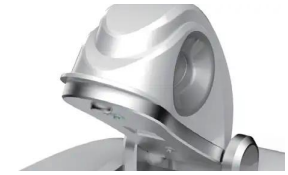
FEATURES BFA1B1

Small size, easy to carry, very suitable for field testing.
It can be quickly upgraded by U disk, which is convenient for the instrument to update the software.
The detection concentration range is wide, and commonly used samples can be detected without dilution.
Has a power-on self-test function, it can quickly and accurately judge whether there are impurities in the detection platform when the machine is started up.
The machine does not need to be warmed up, it can be detected after starting up, and the single detection time is about 5 seconds, and the detection is fast.
By forming a liquid column, the sample required for one test is as low as 0.5ul.

Colony detection can be performed in both cuvette and micro mode.
With cuvette measurement function, support kinetic detection.

High-definition 7-inch display
Full touch operation, better experience.

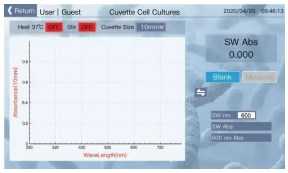
Sample detection platform
(stainless steel and quartz optical fiber) High strength, anti-corrosion.



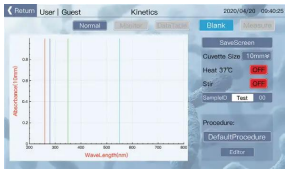
The measuring arm is sturdy and lightweight, exquisite and beautiful.

Dust-proof design
Prevents the backlog of dust from causing inaccurate measurement.

Detection mode
1. Cuvette detection

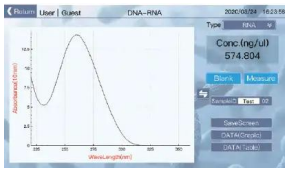


Measure nucleic acid, protein, microbial cell culture and kinetic testing. It provides auxiliary functions of stirring and heating while measuring.



Provide users with an intuitive absorbance change curve, user-defined wavelength points to view the relationship between absorbance changes over time, and 100 kinetic programs can be built in.

2. Micro detection



Nucleic acid detection, micro nucleic acid array, pure protein detection, labeled protein detection, protein quantitative detection, microbial cell culture detection and conventional full-wavelength scanning.

Instructions

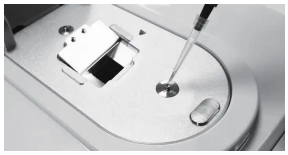
1. Cuvette detection

Raise the sample arm and add the sample to the detection base.

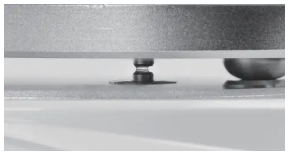
Put down the sample arm and measure the sample according to the software interface.

After the test is completed, wipe the measuring platform with dust-free paper to avoid sample residue.

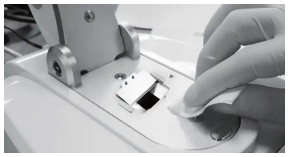
2. Micro detection



Raise the sample arm, add the sample to the detection base.



Put down the sample arm and measure the sample according to the software interface.



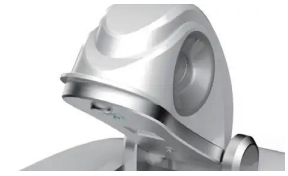
After the test is completed, wipe the measuring platform with dust-free paper to avoid sample residue.

FEATURES BFA1B2

Small size, easy to carry, very suitable for field testing.
It can be quickly upgraded by U disk, which is convenient for the instrument to update the software.
The detection concentration range is wide, and commonly used samples can be detected without dilution.
Has a power-on self-test function, it can quickly and accurately judge whether there are impurities in the detection platform when the machine is started up.
The machine does not need to be warmed up, it can be detected after starting up, and the single detection time is about 5 seconds, and the detection is fast.
By forming a liquid column, the sample required for one test is as low as 0.5ul.
Colony detection can be performed in both cuvette and micro mode.

High-definition 7-inch display
Full touch operation, better experience.

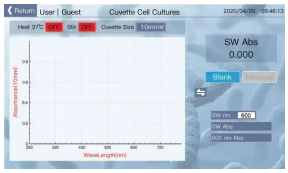
Sample detection platform
(stainless steel and quartz optical fiber) High strength, anti-corrosion.



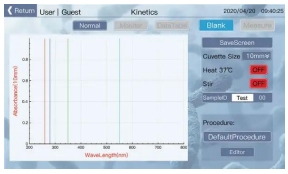
The measuring arm is sturdy and lightweight, exquisite and beautiful.

Dust-proof design
Prevents the backlog of dust from causing inaccurate measurement.

Detection mode
1. Cuvette detection

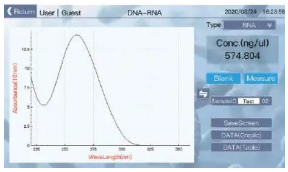


Measure nucleic acid, protein, microbial cell culture and kinetic testing. It provides auxiliary functions of stirring and heating while measuring.



Provide users with an intuitive absorbance change curve, user-defined wavelength points to view the relationship between absorbance changes over time, and 100 kinetic programs can be built in.

2. Micro detection



Nucleic acid detection, micro nucleic acid array, pure protein detection, labeled protein detection, protein quantitative detection, microbial cell culture detection and conventional full-wavelength scanning.

Instructions

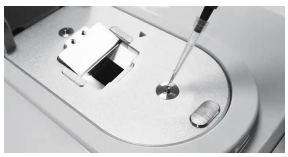
1. Cuvette detection

Raise the sample arm and add the sample to the detection base.

Put down the sample arm and measure the sample according to the software interface.

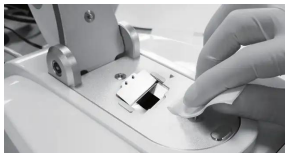
After the test is completed, wipe the measuring platform with dust-free paper to avoid sample residue.

2. Micro detection



Raise the sample arm, add the sample to the detection base.

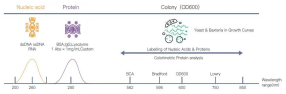
Put down the sample arm and measure the sample according to the software interface.



After the test is completed, wipe the measuring platform with dust-free paper to avoid sample residue.

APPLICATIONS

Ultra-micro ultraviolet-visible spectrophotometer is a very important analytical instrument, whether in the fields of scientific research such as physics, chemistry, biology, medicine, materials science, environmental science, or in modern chemical engineering, medicine,
environmental testing, metallurgy Production and management departments, Ultra-micro ultraviolet-visible spectrophotometer have a wide range of important applications. Ultra-micro ultraviolet-visible spectrophotometer is to use spectrophotometry to quantitatively and qualitatively analyze substances, and is often used for nucleic acid, protein quantification and cell culture detection; Ultra-micro ultraviolet-visible spectrophotometer is already a conventional instrument in modern molecular biology laboratory.



SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFA1C1

ULTRA-MICRO ULTRAVIOLET-VISIBLE SPECTROPHOTOMETER

Ultra-micro ultraviolet-visible spectrophotometer is a full-wavelength ultra-micro ultraviolet-visible spectrophotometer, the micro detection mode can be used to detect nucleic acids, micro nucleic acid arrays, pure protein detection, labeled protein detection, protein quantitative detection, microbial cell culture detection and regular full-wavelength scanning. In the cuvette detection mode, nucleic acids, proteins, and microbial cells can be measured Cultivation and kinetic testing. The fluorescence detection module can perform fluorescence quantification of nucleic acid. After the fluorescent dye is combined with a specific target molecule, the fluorescence intensity is detected to measure the concentration of the target molecule. It is used to detect low-concentration samples with high accuracy. Fluorescence detection is suitable for the detection of trace amounts of samples, usually ultra-low concentration samples that cannot be measured by photometers.

By forming a liquid column, the sample required for one test is as low as 0.5ul, and the trace amount is detected, saving precious samples.
The detection concentration range is wide, and commonly used samples can be detected without dilution.
The machine does not need to be warmed up, it can be detected after starting up, and the single detection time is about 5 seconds, and the detection is fast.
Built-in software, easy and fast to operate, software running fast and stable, no delay, provide a stable user experience.
Small size, easy to carry, very suitable for field testing.
Can record all the data that the user tests, and has screenshot function, convenient for users to export precious data or delete data at any time. More than 10,000 data can be

SPECIFICATIONS

Model	BFA1C1
Old Model	BSNA-403
Test sample capacity	0.5~2μl
Light source	Xenon lamp
Detector	2048 linear CCD array
Optical path	≤0.7mm
Wavelength range	200~850nm
Wavelength accuracy	<1nm

Wavelength resolution	≤2nm
Light absorption range	0.04~300Abs (10mm)
Light absorption accuracy	0.002Abs (1mm)
Spectral bandwidth	≤1.8mm(FWHM)
Spectral resolution	≤0.3nm
Absorbance accuracy	1%(0.76Abs at 256nm)
Detection concentration range	2~15000ng/μl(dsDNA)
Sample base material	304 stainless steel and quartz optical fiber
Measure time	About 5s
Power	20W
Power Adapter	12V , 5A
Dimensions	W.197xD.327xH.181mm
Net weight	3.1kgs
Cuvette detection parameters	
Specification of cuvette	L.12.5xW.12.5xH.45mm
Optical path length of cuvette	10, 5, 2, 1mm
Cuvette beam height	8mm
Heating range of cuvette	37±0.5℃
Memory capacity	8G
Measurement time	About 2 seconds
Mixing speed of cuvette	High and low modes
Cuvette detection concentration range	0.2~75ng/μl(dsDNA)
Light absorption range of cuvette	0.004~1.5Abs (10mm)
Operating system	Linux
Fluorescence detection parameters	
Sampling range	1~20ul
Dynamic range	5 orders of magnitude
Detector type	Photodiode
Excitation channel	Blue light: 430nm~495nm
Transmission channel	Green light: 510nm~580nm
Number of stored sample results	> 1000, can be exported via USB flash disk
Alt Name	Ultra-micro ultraviolet-visible Spectrophotometer

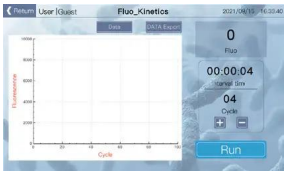
FEATURES

By forming a liquid column, the sample required for one test is as low as 0.5ul, and the trace amount is detected, saving precious samples.
The detection concentration range is wide, and commonly used samples can be detected without dilution.
The machine does not need to be warmed up, it can be detected after starting up, and the single detection time is about 5 seconds, and the detection is fast.
Built-in software, easy and fast to operate, software running fast and stable, no delay, provide a stable user experience.
Small size, easy to carry, very suitable for field testing.
Can record all the data that the user tests, and has screenshot function, convenient for users to export precious data or delete data at any time. More than 10,000 data can be
stored.
It can be quickly upgraded by U disk, which is convenient for the instrument to update the software.
With user management system, multi-user independent detection, independent management of data.
High-definition 7-inch display screen, using capacitance touch screen, full touch operation, can sense the touch of laboratory gloves, longer life and better experience.
Has power-on self-test function, it can quickly and accurately judge whether there are impurities in the detection platform when the machine is started up.

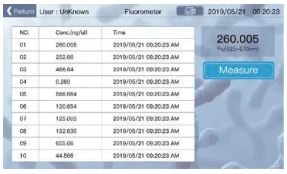
The material of the sample detection platform is stainless steel and quartz optical fiber, high strength and anti-corrosion.
With cuvette measurement function, the cuvette measurement provides stirring and heating auxiliary functions at the same time, which makes the cuvette detection more
powerful and uses more detection scenarios.
Support kinetic detection, kinetic detection provides users with an intuitive absorbance change curve, user-defined wavelength points to view the relationship between absorbance changes over time, and 100 kinetic programs can be built-in.
Support colonies (OD600) detection, and the detection of colonies can be carried out in both cuvette and micro mode, which meets the different detection needs of users.

A. Interface display

Main Interface



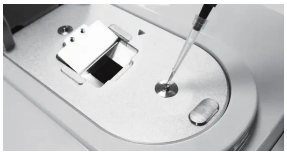
Measurement interface



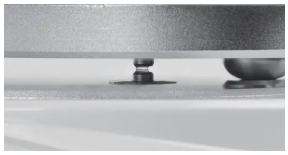
Data Table

Set interface

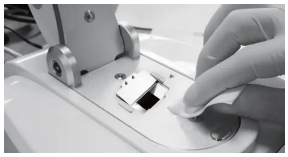
B. Operating instructions



Raise the sample arm, add the sample to the detection base.



Put down the sample arm and measure the sample according to the software interface.

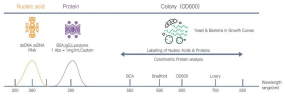


After the test is completed, wipe the measuring platform with dust-free paper to avoid sample residue.

Cuvette measurement: Put the cuvette into the cuvette slot and cover the measuring arm to test

APPLICATIONS

Ultra-micro ultraviolet-visible spectrophotometer is a very important analytical instrument, whether in the fields of scientific research such as physics, chemistry, biology, medicine, materials science, environmental science, or in modern chemical engineering, medicine,
environmental testing, metallurgy Production and management departments, Ultra-micro ultraviolet-visible spectrophotometer have a wide range of important applications. Ultra-micro ultraviolet-visible spectrophotometer is to use spectrophotometry to quantitatively and qualitatively analyze substances, and is often used for nucleic acid, protein quantification and cell culture detection; Ultra-micro ultraviolet-visible spectrophotometer is already a conventional instrument in modern molecular biology laboratory.



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