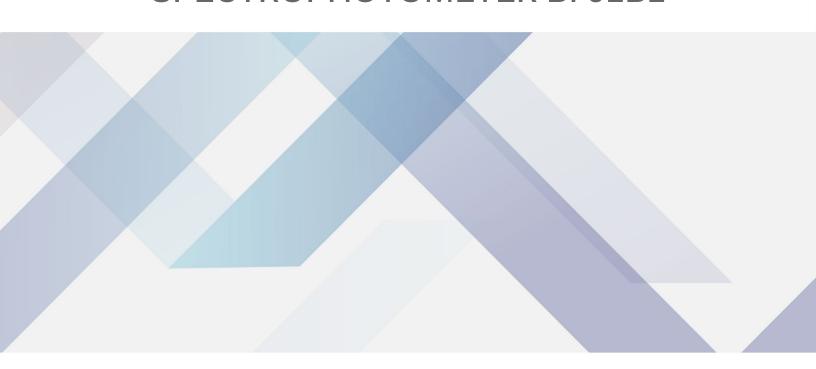






# DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BFJ1B1





## DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BFJ1B1

MICRO-SPECTROPHOTOMETERS



- 1. 7-inch capacitive TFT screen, multi-touch, intuitive interface, simple operation.
- 2. It has its own automatic detection function, which significantly improves the detection

Efficiency.

- 3. With high-precision motor drive, the accuracy of the optical path reaches 0.001mm, and the absorbance detection repeatability is high.
- 4. The sample volume required for the test is only 0.5 to 2ul, and it can be recovered after the measurement.
- 5. It has dual-channel fluorescence detection function, high sensitivity and good linearity.
- 6. OD600 function with stirring and heating function can detect the growth of ba

## **SPECIFICATIONS**

Model	BFJ1B1
Volume	0.5ul-2ul
Dimension	318x210x188mm (LxWxH)
Weight	4.85kg
Optical Path	0.03mm, 0.05mm, 0.1mm, 0.2mm, 1mm
Light Source	Xenon flash lamp/number of flashes
Detector Type	2048 pixel linear array CCD
Wavelength Range	190nm-850nm
Accuracy	±1nm
Spectral Resolution	≤3nm (FWHM@Hg253.7nm)
Absorption Accuracy	0.002Abs (1mm optical path)
Absorption Accuracy (260nm)	±1%(7.332Abs absorbance @ 260nm)
Absorbance Range	0.04-750(at 260nm wavelength, equivalent to 10mm optical path)
Concentration Range	2ng/ul dsDNA-37500ng/ul dsDNA
Detection Time	<6s
OD600 Light Source	Single color LED
OD600 Absorbance Range	0-4.000Abs
OD600 Absorbance Stability	(0.3)±0.5%, (3.4)±1.5%
OD600 Repeatability	(0.3)≤0.5%, (3.4)≤1.5%
OD600 Absorption Accuracy	(0.2)±0.005A, (2.3)±1%, (3.4)±2%
Heating Temperature	37°C±0.5°C
Stirring Speed	12 adjustable speeds, 100-1200rpm
Fluorescence Sample Volume	≥50ul (0.5ml PCR Tube)
Fluorescence Detection Time	4s
Detection Channel	2 channel
Reproducibility	<1.5%
Stability	<1.5%
Linearity	R² ≥0.995
Light Source (Fluorescence)	Single color LED
Excitation Wavelength	470nm, 624nm
Emission Wavelength	525nm, 682nm
Printing	Built-in thermal printer
Communication	USB2.0 x2

Data Export Formats	xls, csv, txt, jpg, png
Experimental Data	>10,000
Input Voltage	DC12V 5A
Power Supply	60W
Alt Name	Micro-Spectrophotometers

#### **FEATURES**

- 1. 7-inch capacitive TFT screen, multi-touch, intuitive interface, simple operation.
- 2. It has its own automatic detection function, which significantly improves the detection Efficiency.
- 3. With high-precision motor drive, the accuracy of the optical path reaches 0.001mm, and the absorbance detection repeatability is high.
- 4. The sample volume required for the test is only 0.5 to 2ul, and it can be recovered after the measurement.
- 5. It has dual-channel fluorescence detection function, high sensitivity and good linearity.
- 6. OD600 function with stirring and heating function can detect the growth of bacteria, microorganisms, etc



Adopting Android operating system, 7-inch capacitive touch screen, no need for computer online, stand-alone can be detected



Rapid and accurate detection of nucleic acids, proteins and cellular solutions with only 0.5-2ul of sample.



Equipped with OD600 optical path detection system, fluorometer function, convenient for bacteria, microorganisms and other culture solution concentration detection.

#### **APPLICATIONS**

Rapid testing Easy operation



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