



DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BJD-4101

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UV VISIBLE SPECTROPHOTOMETER



Comes with an English operating system and a 10-inch color touchscreen display. Designed for high-precision and high-reliability measurements, suitable for biological research, bioindustry, pharmaceutical analysis, pharmaceuticals, teaching and research, environmental protection, food hygiene, clinical testing, epidemic prevention, and other fields.

Large-capacity memory stores multiple sets of data and curves.

Wide wavelength coverage supports diverse application requirements across industries.

LSI design improves the scalability and reliability of the system.

Optimized optical layout combined with imported light source and detector systems provides superior performance and stability.

Supports multiple measurement methods, including wavelength scan, time scan, mul

SPECIFICATIONS

Model	BJN-4101
Wavelength Range	190-1100nm
Spectral Bandwidth	0.5 / 1.0 / 2.0 / 4.0 / 5.0nm
Wavelength Accuracy	≤0.05nm
Optical Path Structure	Double beam
Wavelength Repeatability	≤0.02 nm
Wavelength Resolution	0.01 nm
Photometric Accuracy	±0.3% T
Photometric Repeatability	0.2% T
Stray Light	≤0.03% T
Stability	0.001 A/h @ 500 nm
Photometric Mode	T, A, C, E
Wavelength Setting	Automatic
Photometric Display Range	-4 to 4 A
Display Mode	Touch LCD Screen (10 inches)
Detector	Imported Silicon Photodiode
Light Source	Deuterium Lamp & Tungsten Lamp
Power Requirement	AC 220 V / 50 Hz; 110 V / 60 Hz
Power	120 W
Dimensions (W x D x H)	645 x 430 x 225 mm
Weight	21 kg
Alt Name	UV Visible Spectrophotometer

ITEMS INCLUDED

No	Name	Quantity
1	Dust Cover	1 pc
2	Power Line	1 pc
3	1 cm Glass Cuvette	4 pcs
4	Instruction Manual	1 pc
5	1 cm Quartz Cuvette	2 pcs
6	Software Suite	1 set

FEATURES

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Wide wavelength coverage supports diverse application requirements across industries.

LSI design improves the scalability and reliability of the system.

Optimized optical layout combined with imported light source and detector systems provides superior performance and stability.

Supports multiple measurement methods, including wavelength scan, time scan, multi-wavelength determination, multi-order derivative determination (optional), dual-wavelength, three-wavelength (optional), DNA/protein measurement (optional), and other measurement modes.

Measurement results can be displayed directly on the 10-inch screen.

Optional accessories include 4-position manual cell holder, 8-position manual cell holder, automatic 8-position cell holder, glass cell holder, test tube holder, and 1 cm & 5 cm cuvette holders.

Supports external USB flash drive for experimental data storage and export.

Automatically saves measurement parameters and data after power-off for convenient operation.

Supports PC control for more accurate and flexible measurement.



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