



SPLIT BEAM SCANNING UV VISIBLE SPECTROPHOTOMETER BFP-301

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UV/VIS SPECTROPHOTOMETER



Wide wavelength range, satisfying requirements of various fields.
The split-beam ratio monitoring system provides accurate measurements and enhances baseline stability.
Five options for spectral bandwidth selection, 5nm, 4nm, 2nm, 1nm and 0.5nm, made according to customer's need and satisfying the requirements of pharmacopoeia.
Fully automated design, realizing easy measurement.
Optimized optics and large scale integrated circuits design, light source and receiver from world famous manufacturer, all add up to high performance and reliability.
Rich measurement methods, wavelength scan, time scan, multi-wavelength determination, multi-order derivative determination, double-wavelength method and triple-wavelength method etc., meet different measurement requirements.

SPECIFICATIONS

Model	BFP-301
Wavelength Range	190-1100nm
Spectral Bandwidth	2nm (5 nm, 4 nm, 1 nm, 0.5 nm optional)
Wavelength Accuracy	±0.3nm
Wavelength Reproducibility	0.15 nm
Photometric System	Split-beam ratio monitoring; Auto scan; Dual detectors
Photometric Accuracy	±0.3%T (0-100%T); ±0.002A (0-0.5A); ±0.004A (0.5A-1A)
Photometric Reproducibility	0.2%T
Working Mode	T, A, C, E
Photometric Range	-0.3-3A
Stray Light	≤0.05%T (NaI, 220 nm; NaNO ₂ 360 nm)
Baseline Flatness	±0.002A
Stability	0.001A/30 min (at 500 nm, after warming up)
Noise	±0.001A (at 500 nm, after warming up)
Display	6 inches high light blue LCD
Detector	Silicon photodiode
Power	AC: 220V/50Hz, 110V/60Hz, 180W
Dimensions	630 x 470 x 210 mm
Weight	26 kg
Alt Name	UV/VIS Spectrophotometer

FEATURES

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Automatic 10mm 8-cell holder, changeable to automatic 5mm-50mm 4-position cell holder for more choices.
Data output can be obtained via a printer port.
Parameters and data can be saved in case of power failure for user's convenience.

PC controlled measurement can be achieved via RS-232 interface (USB port) for more accurate and flexible requirements.



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