



SINGLE BEAM SCANNING UV VISIBLE SPECTROPHOTOMETER BFP-401

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UV/VIS SPECTROPHOTOMETER



Scan type, single beam spectrophotometer with wide wavelength range, satisfying requirement of various fields.

Five options for spectral bandwidth selection: 5nm, 4nm, 2nm, 1nm, and 0.5nm, made according to customer's need and satisfy the requirements of pharmacopoeia.

Standard manual 4-cell holder accommodates cells from 5-50mm and changeable to long path length cell holder of 100mm.

Optional accessories such as peristaltic pump automatic sampler, water constant temperature sample holder, peltier temperature control sample holder, single slot test tube sample holder, film sample holder.

Optimized optics and electronics design, light source and detector from the world famous manufacturer ensure high performance and reliability.

Rich measurement methods: wavelength scan, time scan, multi-wavelength determination

SPECIFICATIONS

Model	BFP-401
Wavelength Range	190-1100 nm
Spectral Bandwidth	2nm (5 nm, 4 nm, 1 nm, 0.5 nm optional)
Wavelength Accuracy	±0.3nm
Wavelength Reproducibility	≤0.2 nm
Monochromator	Single beam, plane grating of 1200 L/mm
Photometric Accuracy	±0.3%T (0-100%T)
Photometric Reproducibility	≤0.2%T
Working Mode	T, A (-0.301-3A), C, E
Stray Light	≤0.1%T (NaI, 220 nm; NaNO ₂ , 340 nm)
Baseline Flatness	±0.003A
Stability	≤0.002A/h (at 500 nm, after warming up)
Noise	≤0.2%T/3 min (0% line)
Detector	Silicon photodiode
Display	7 inches colorful touch screen
Power	AC: 90-250V, 50V/60Hz
Dimensions	470 x 325 x 220 mm
Weight	9 kg
Alt Name	UV/VIS Spectrophotometer

FEATURES

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Optimized optics and electronics design, light source and detector from the world famous manufacturer ensure 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.

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 with a USB port for more accurate and flexible requirements.



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