



AB-UV-2100 DOUBLE BEAM UV/VIS SPECTROPHOTOMETER

FEATURES:

- Double beam, fully automated scanning system
- Compatible PC controlled, rich analytical software.
- Wavelength Scan:
Scanning sample spectra in any range within 190-900nm.
Three scanning speed: Fast, Middle and Slow selectable, with Min. sampling interval of 0.04nm.
Data processing function of derivative spectra and smoothing, peak picking, spectrum expansion and superposition and other arithmetic calculation.
- Fixed wavelength measurement:
10 wavelengths can be set at the same time.
Arithmetic calculation between wavelengths can be done.
- Quantitation:
Standard factor method, standard contrast method; 2-wavelength method, and 3-wavelength method etc.
- Kinetic measurement:
Wavelengths and sampling interval selectable, activity calculation available.

SPECIFICATIONS:

- Wavelength Range: 190-900nm
- Spectral Bandwidth: 0.1, 0.2, 0.5, 1.0, 2.0nm
- Wavelength Accuracy: $\pm 0.3\text{nm}$ (0.15nm if required)
- Wavelength Reproducibility: 0.15nm
- Photometric Accuracy: $\pm 0.3\%T$ (0-100%T),
 $\pm 0.002A$ (0-0.5A), $\pm 0.004A$ (0.5-1A)
- Photometric Reproducibility: 0.15%T
- Working Mode: T, A (-3~4A), C, E
- Stray Light: $\leq 0.05\%T$ (NaI, at 220nm)
- Baseline Flatness: $\pm 0.001A$
- Stability: 0.0004A/h (at 500nm, after warming up)
- Detector: photomultiplier
- Light source: tungsten halogen lamp and deuterium lamp
- Power: AC: 230V/50Hz, 110V/60Hz, 400W
- Dimensions: 670x470x210mm
- Weight: 45kg

