

SCANNING UV/VIS SPECTROPHOTOMETER RIC-73C



FEATURES:

- ✎ Scan type, single beam spectrophotometer with wide wavelength range, satisfying requirements of various Fields.
- ✎ Three options for spectral bandwidth selection: 5nm, 2nm and 1nm, 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.
- ✎ 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 via RS-232 interface (USB port) for more accurate and flexible requirements.

SPECIFICATIONS

- ✎ Wavelength range: 190-1100nm
- ✎ Spectral bandwidth: 2nm (5nm, 1nm Optional)
- ✎ Wavelength Accuracy: ± 0.5 nm
- ✎ Wavelength Reproducibility: 0.2 nm
- ✎ Monochromator: Single Beam, plane grating of 1200 L/mm
- ✎ Photometric Accuracy: $\pm 0.5\%$ T (0-100%T); $\pm 0.002A$ (0~0.5A); $\pm 0.004A$ (0.5A~1A)
- ✎ Photometric Reproducibility: 0.2%T
- ✎ Scanning Speed: 3000nm/min
- ✎ Working mode: T, A(-0.3-3A), C, E
- ✎ Stray Light: $\leq 0.1\%$ T (NaI, 220nm; NaNo₂, 340 nm)
- ✎ Baseline Flatness: $\pm 0.002A$
- ✎ Stability: $\leq 0.002A/h$ (at 500nm, after warming up)
- ✎ Noise: 0.001A (at 500nm after warming up)
- ✎ Detector: Silicon photo-diode

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