

# DOUBLE BEAM UV/VIS SPECTROPHOTOMETER RIC-73E



RIC Double Beam UV/VIS Spectrophotometer successfully realizes high accuracy and reliability measurement to meet various application requirements. It can be used extensively for qualitative and quantitative analysis in such fields as biochemical research and industry, pharmaceutical analysis and production, education, environmental protection, food industry, clinical examination, sanitation and antiepidemic etc.

## FEATURES:

Wide wavelength range, satisfying requirements of various fields.

Four options for spectral bandwidth selection, 5nm, 4nm, 2nm and 1 nm, made according to customer's need and satisfying the requirement 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.

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.

## SPECIFICATIONS :

- ✎ Wavelength range: 190-1100nm
- ✎ Spectral Bandwidth: 2nm (5nm, 4nm, 1nm Optional)
- ✎ Wavelength Accuracy:  $\pm 0.3$  nm
- ✎ Wavelength Reproducibility:  $\leq 0.15$  nm
- ✎ Photometric System: Double beam, auto scan, Dual detectors
- ✎ Photometric Accuracy: 0.3% T (0-100%T), 0.002A (0~1A)
- ✎ Photometric Reproducibility:  $\leq 0.15\%$ T
- ✎ Working mode: T, A, C, E
- ✎ Photometric Range: -0.3, -3.5A
- ✎ Stray Light:  $\leq 0.1\%$ T (NaI, 220nm, NaNO<sub>2</sub> 340 nm)
- ✎ Baseline Flatness:  $\pm 0.002$ A
- ✎ Stability:  $\leq 0.001$ A/h (at 500nm, after warming up)
- ✎ Noise: 0.001A (at 500nm, after warming up)
- ✎ Display: 6 inches high light blue LCD
- ✎ Detector: Silicon photodiode
- ✎ Power: AC: 220V/50Hz, 110V/60Hz, 180W
- ✎ Dimensions: 630X470X210mm
- ✎ Weight: 26Kg

## RELIABLE INSTRUMENTS CO. (ISO 9001CO.)

Sales/Reg. Office: 301, 2nd Floor, Mittal Commercial Complex, N.I.T-5, Faridabad

Tel.: 91-129-4052611, 2410244, 6450611; Telefax: 91-129-2410219;

M: 91-9818047375

Email: ricindfbd@gmail.com; ricind@rediffmail.com; ricind@yahoo.co.in;

