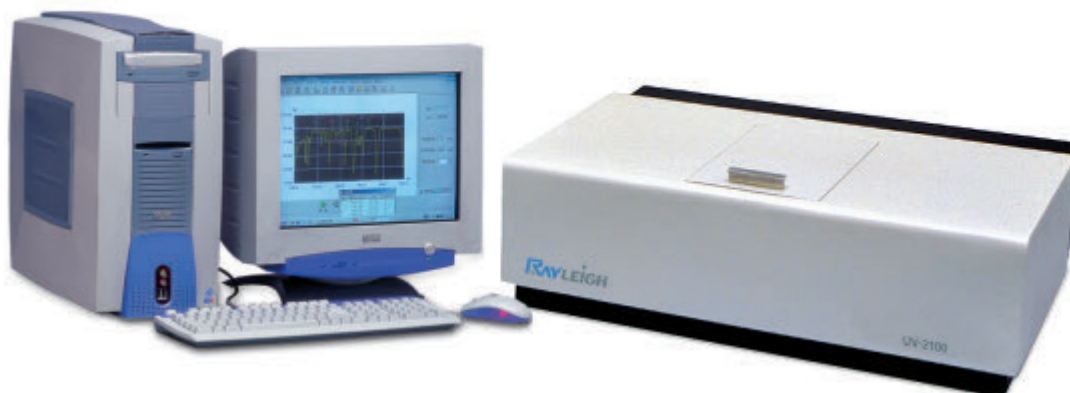


## UV-2100

### Double Beam UV/VIS Spectrophotometer



#### FEATURES:

- ◆ Double beam, fully automated scanning system
- ◆ PC control, 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: 220V/50Hz, 400W
- ◆ Dimensions: 670x470x210mm
- ◆ Weight: 45kg