

## IV-UV1400 Double beam UV-Vis. Spectrophotometer

- 7 inches TFT color screen and windows graphic interface.
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
- In-house massive memory is capable of saving up to 1024 for test data & working curves.
- Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
- Large sample chamber can accommodate 5-100mm cuvettes.
- PC Software available



## SPECIFICATIONS

MODEL	UV1400
Spectral Bandwidth	1/2/4/5 (variable)
Optical System	Double Beam Grating 1200 lines/mm
Wavelength Range & Setting	190-1100 nm & Automatic
Wavelength Accuracy & Repeatability	±0.3nm & ±0.2nm
Photometric Range	±0-200%T, -0.3~3A, 0-9999C
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)
Photometric Mode	T, A, C, E
Stray Light & Stability	+0.03%T@220nm, 360nm & ±0.0003A/h @ 500 nm
Baseline Flatness & Noise	±0.001A @ 500nm & 0.001A@500nm
Scanning Speed	Fast, Medium, Low (Max. 3000nm/min)
Display	7" TFT Color Screen
Light Source	Deuterium & Tungsten lamp
Detector & Output	Silicon Photodiode & USB,RS232C
Cell Holder	10mm single cell holder (sample & reference)