

# T8DS UV-Vis Spectrometer



Optical system	Double beam
Scan speed	Selectable
Wavelength range	190-900nm
Wavelength accuracy	±0.3nm
Wavelength reproducibility	≤0.1nm
Spectral bandwidth	0.1, 0.2, 0.5, 1.0, 2.0, 5.0nm
Photometric mode	Transmittance, Absorbance, Energy Concentration, all using UVWin software
Photometric range	-4.0-4.0Abs
Photometric accuracy	0.002A (0-0.5A), 0.004A (0.5-1A), 0.3%T (0-100%T)
Photometric reproducibility	0.001A(0-0.5A)
Photometric noise	0.0004A(500nm) 30min warm-up
Baseline flatness	0.001A(200-850nm)
Baseline stability	0.0008A/h (500nm, 0Abs), 2hr warm-up
Stray light	≤0.01%T(220nm NaI, 340nm NaNO <sub>2</sub> )
Standard functionality	No stand alone function
Cell holder	Fixed position sample and reference
Detector	Photo multiplier tube
Light source	Tungsten Halogen and Deuterium arc lamps
Display	No display
Printer	Option
PC interface	RS232
Software support	UV Win
Power supply	Switch mode 120-230VAC 50-60Hz
Weight	43kg
Dimension	545x580x270mm