

UV9100 Series

LabTech's UV9100 range of UV-Vis spectrophotometers has been synonymous with excellence and high performance. The range is ideal for use as your own primary reference UV-Vis spectrophotometer in routine laboratories where reliability and ease of use are vital. It has been widely used for applications in commodity inspection, quality control, method developments, research institutes etc.

It offers advanced specifications, high efficient performance with excellent stability and repeatability. Double beam optical system, optional five slits 0.5nm, 1nm, 2nm, 3nm, and 5nm. Standard automatic 6-coupled cell holder. Powerful and user friendly software provides water quality test package for your application. Standalone and PC control modes ensure flexible operation.



Technical Parameters

Model	UV 9100 A	UV 9100 B	UV 9100 C	UV 9100 D
Optical System	C-T monochromator, Holographic grating			
	Double Beam			
Wavelength range	190 nm ~ 1100 nm			
Spectrum bandwidth	2nm	1nm, 2nm	0.5nm, 2nm	0.5nm, 1nm, 2nm, 3nm, 5nm
Photometric method	Transmittance, Absorbance, Energy			
Absorbance range	-3 ~ 3Abs			
Wavelength Accuracy	±0.3nm			
Wavelength Repeatability	0.1nm			
Photometric Accuracy	±0.002A(0~0.5A), ±0.004A(0.5~1.0A), ±0.3%T			
Photometric Repeatability	≤0.001A(0~0.5A), ≤0.002A(0.5~1.0A), ≤0.1%T			
Stray Light	≤0.05% T			
Baseline straightness	±0.001A			
Drift	≤0.0003A/h (500nm, 0A)			
Noise	±0.0002A (500nm, P-P)			
Scan speed	Adjustable(Fast, Middle, Low)			
Detector	Si-Photodiode			
Light source	Halogen tungsten lamp / deuterium lamp (Auto-switch)			
Cell holder	Automatic six-position cell holder			
Display	320 x 240 pixels, LCD			
Control mode	Local/PC control			
Dimensions	W500xD475xH 245mm			
Weight	22Kg			



Accessory

Multiple Cell And Holder



Cells



Thermostatic cell holder



Automatic six-position 10mm cell holder



Long pathlength cell holder



Single cell holder



Micro volume cell holder



Solid sample holder



Flow cell