

## SpectroQuest Spectrophotometer Specifications

Model	UV-2800	UV-2802/2802S	UV-2802PC/2802PCS	UV-3802	UV-4802
Wavelength Range	190-1100nm				
Spectral Bandwidth (slits)	4nm	1.8nm (UV-2802) 0.5, 1, 2, 4nm (UV-2802S)	1.8nm (UV-2802PC) 0.5, 1, 2, 4nm (UV-2802PCS)	1.8nm	
Optical System	Single Beam, Grating 1200 lines/mm			Split Beam, Grating 1200 lines/mm	Double Beam, Grating 1200 lines/mm
Wavelength Accuracy	±0.8nm				±0.3nm
Wavelength Resolution	±0.1nm				
Wavelength Repeatability	±0.5nm				±0.2nm
Photometric Range	0-200%T, -0.3-3A, 0-9999Conc.				
Photometric Accuracy	±0.5%T				±0.3%T
Photometric Repeatability	Better than 0.3%T				Better than 0.2%T
Stray Light	<0.15%T	<0.10%T	<0.10%T	<0.10%T	<0.10%T
Baseline Flatness	±0.004A	±0.002A	±0.002A	±0.002A	±0.002A
Stability	0.002A/h @500nm	0.002A/h @500nm	0.002A/h @500nm	0.001A/h @500nm	0.001A/h @500nm
Scanning Speed	Hi, Med., Low. Max. 1000nm/min		600nm/min	Hi, Med., Low. Max. 1000nm/min	
Light Source	Halogen, Deuterium (pre-aligned)				
Display	Graphic LCD (320x240 )dots		No LCD	Graphic LCD (320x240 )dots	
Keyboard Control	29 Membrane keypad		No Buttons	29 Membrane keypad	
Output	RS-232C port Parallel Port (printer)				
Sample Compartment	Accommodates 100mm pathlength cuvette with optional holder				
Printer	HP, Epson Selected models		Epson Selected models	HP, Epson Selected models	
Power Requiremen	220V-240V/50Hz, 110V-120V/60Hz Switchable				
Dimensions (W x D x H)	550 x 420 x 270mm				620 x 400 x 280mm
Weight	20kg / 44 lbs	22kg / 48 lbs	24kg / 53 lbs	23kg / 50 lbs	24kg / 53 lbs
Shipping Dimensions	650 x 540 x 390mm		720 x 525 x 370mm		
Shipping Weight	24kg/53 lbs	26kg / 57 lbs	28kg / 62 lbs	27kg / 59 lbs	28kg / 62 lbs



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