

	Brand	PERSEE		Shimazu	
	Model Number	T7/T7S	T7D/T7DS	UV1800	UV1700 (Suzhou)
Specifications	Optical System	Split beam	Double beam	Double beam	Split beam
	Detector	Dual Photodiode	Dual Photodiode	Dual Photodiode	Dual Photodiode
	Light Source	D2 & Tungsten	D2&Tungsten	D2 & Tungsten	D2 & Tungsten
	WL Range	190~1100nm	190~1100nm	190~1100nm	190~1100nm
	WL Accuracy	±0.3nm	±0.3nm	±0.3nm Whole WL Range	±0.3nm
	WL Reproducibility	0.1nm	0.1nm	0.1nm	0.1nm
	Stray Light	0.12%T	0.12%T	0.02%T	0.05%T
	Photometric Accuracy	±0.002A (0 - 0.5A) ±0.004A (0.5 - 1A)	±0.002A (0 - 0.5A) ±0.004A (0.5 - 1A)	±0.002A (0.5A) ±0.004A (1A) ±0.006A (2A)	±0.002A (0 - 0.5A) ±0.004A (0.5 - 1A)
	Photometric Reproducibility	0.001A (0 - 0.5A) 0.002A (0.5 - 1A)	0.001A (0 - 0.5A) 0.002A (0.5 - 1A)	0.001A (0.5A) 0.001A (1A) 0.003A (2A)	0.001A (0 - 0.5A) 0.002A (0.5 - 1A)
	Bandwidth	2nm/0.5, 1, 2, 5nm	2nm/0.5, 1, 2, 5nm	1nm	1nm
	Stability	≤0.001A/hr (500nm, 0Abs) 2hr warm up	≤0.0008A/hr (500nm, 0Abs) 2hr warm up	≤0.0003A/hr (700nm) 1hr warm up	≤0.001A/hr (700nm, 0Abs) 2hr warm up
	Baseline flatness	±0.002A (200~1000nm)	±0.0015A (200~1000nm)	±0.0006A (200~1100nm)	±0.001A (200~1000nm)
	Noise	±0.001 Abs (500nm, p-p) 30min warm up	±0.001 Abs (500nm, p-p) 30min warm up	±0.00005 Abs (700nm, RMS)	±0.002 Abs (500nm, p-p) 30min warm up
	Scanning Speed	800nm/min	800nm/min	1400nm/min	3000nm/min
	Slew Rate	3000nm/min	3000nm/min	3800nm/min	6000nm/min
	Interface	Keypad, Graphic LCD & PC	Keypad, Graphic Display & PC	Keypad, LCD & PC, USB for communication and memory	Keypad, Blue LCD & PC
Dimensions	550*350*230 mm	550*350*230 mm	450*490*270mm	550*470*200 mm	
Weight	16.5 Kg	16.5Kg	15Kg	17 Kg	
Price	Price in USD	US: \$3999/\$4199	US: \$4299/\$4999	Roughly about \$10k	Roughly about \$9k