

UV Model 7804 Series



Model	UV-7804PCPRINT	UV-7804PC	UV-7804CPRINT	UV-7804C
Wavelength range	200-1000 nm, autoscan			
Slit width	4 nm			
Wavelength accuracy	±1.0 nm			
Wavelength setting repeatability	≤0.5 nm			
Wavelength display	In steps of 0.1 nm			
Wavelength calibration	Automatic at start			
Measurement range	0-125 %T; -0.097-2.70 A; 0-1999 C (0-1999 F)			
Photometric accuracy	±0.002 Abs (0 to 0.5Abs)	±0.004 Abs (0.5 to 1.0 Abs), ±0.5 %T		
Photometric repeatability	±0.001 Abs (0 to 0.5Abs),	±0.002 Abs (0.5 to 1.0 Abs), ±0.2 %T		
Stray light	0.25 %T (at 220,340,420 nm)			
Baseline flatness	=±0.005 Abs			
Baseline stability	=0.004 Abs / 30min (at 500 nm, when measured at 2 hours after energization)			
0%TLine noise	=±0.1 %T(at 500 nm, when measured at 2 hours after energization)			
100%TLine noise	=±0.3 %T(at 500 nm, when measured at 2 hours after energization)			

Light source	Automatic changeover linked with wavelength. Changeover point can be set with UV-Solve application software		Automatic changeover linked with wavelength. Changeover point is set at 340 nm	
Display	20 X 2 LCD			
Data output	Digital, RS232 serial	Digital, RS232 serial, centronics parallel	Digital, RS232 serial	Digital, RS232 serial, centronics parallel
application software	Windows® - based		UV-Solve application software	
Power consumption	(220V 10% 50Hz 150VA) or (110 V 10%) 60Hz 150VA), switchable			
Standard sample holder	4-position sample holder			
Actual dimensions	Spectrophotometer mainframe 456 W X 375 D X 220 H mm (18.0 W x 14.8 D x 8.7 H in)			
Net weight	19.0Kg	18.5Kg	19.0 Kg	18.5 Kg
Shipping dimensions	Paperboard container 625 W X 520 D X 348 H mm (24.6 W x 20.5 D x 13.7 H in)			
Shipping weight	25.0 Kg	24.5 Kg	24.0 Kg	23.5 Kg

UV Model 7804 Series



Model	UV-7802PCPRINT	UV-7802PC	UV-7802CPRINT	UV-7802C
Wavelength range	200-1000 nm, autoscans			
Slit width	2nm			
Wavelength accuracy	±0.5nm		±1.0 nm	
Wavelength setting repeatability	≤0.2nm			
Wavelength display	In steps of 0.1 nm			
Wavelength calibration	Automatic at start			
Measurement range	0-125 %T; -0.097-2.70 A; 0-1999 C (0-1999 F)			
Photometric accuracy	±0.002 Abs (0 to 0.5Abs),		±0.004 Abs (0.5 to 1.0 Abs),±0.5 %T	
Photometric repeatability	±0.001 Abs (0 to 0.5Abs),		±0.002 Abs (0.5 to 1.0 Abs),±0.2 %T	
Stray light	0.15 %T (at 220,340,420 nm)		0.15 %T (at 220,340,420nm)	
Baseline flatness	=±0.005 Abs			
Baseline stability	=0.004 Abs / 30min (at 500 nm, when measured at 2 hours after energization)			
0%TLine noise	=±0.1 %T(at 500 nm, when measured at 2 hours after energization)			
100%TLine noise	=±0.3 %T(at 500 nm, when measured at 2 hours after energization)			
Light source	Automatic changeover linked with wavelength. Changeover point can be set with UV-Solve application software		Automatic changeover linked with wavelength. Changeover point is set at 340 nm	
Display	20 X 2 LCD			

Data output	Digital, RS232 serial	Digital, RS232 serial, centronics parallel	Digital, RS232 serial	Digital, RS232 serial, centronics parallel
Application software	Windows® - based UV -Solved application software			
Power consumption	(220V 10% 50Hz 150VA) or (110 V 10% 60Hz 150VA), switchable			
Standard sample holder	4-position sample holder			
Actual dimensions	Spectrophotometer mainframe 456 W X 375 D X 220 H mm (18.0 W x 14.8 D x 8.7 H in)			
Net weight	19.0 Kg	18.5 Kg	19.0 Kg	18.5 Kg
Shipping dimensions	Paperboard container 625 W X 520 D X 348 H mm (24.6 W x 20.5 D x 13.7 H in)			
Shipping weight	25.0 Kg	24.5 Kg	24.0 Kg	23.5 Kg

VIS Model NV Series



NV201



NV203

Model	NV201	NV202	NV203
Optical system	Single beam of light, C-T, 1200 line/mm holographic grating		
Spectral bandwidth	10nm	6nm	4nm
Wavelength range	335-1000nm		
Wavelength accuracy	±2nm		
Wavelength repeatability	1nm		
Stray light	0.2%T(360nm , NaNO ₂) or less		
Absorption range	-0.3~2.5A		
Photometric accuracy	±1.0%T		
Photometric repeatability	0.3%T		
	Transmittance, Absorbance, Concentration, Wavelength		
LED Display	RS232C		
Detector	Silicon photo-diode		
Light source	Halogen Tungsten Lamp		
Power	110/220V ±10% 60/50HZ		