

Specification

Model	UH3900S	UH3900D
Monochromator	Single Monochromator	Double Monochromator
Wavelength	190~900nm (*1)	
Bandpass	0.1、0.5、1、2、4、5nm (6steps)	
Stray light	0.015%	0.00025%
Wavelength accuracy	±0.1nm	
Wavelength setting repeatability	±0.05nm	
Photometric mode	Abs、%T、%R、E(S)、E(R)	
Photometric range	-3.8~3.8Abs	-5.5~5.5Abs(*2)
Photometric accuracy (NIST SRM930)	±0.002Abs (0~0.5Abs)、±0.003Abs (0.5~1.0Abs) ±0.006Abs (1.0~2.0Abs)、±0.3%T	
Photometric repeatability (NIST SRM930)	±0.001Abs (0~0.5Abs)、±0.0015Abs (0.5~1.0Abs) ±0.003Abs (1.0~2.0Abs)、±0.1%T	
Baseline flatness	Within ±0.0003Abs (190~850nm)	Within ±0.0004Abs (190~850nm)
Baseline stability	Within 0.0002Abs/h (500nm、power on 2h)	
Wavelength scan speed	1.5, 3, 15, 30, 60, 120, 300, 600, 1200, 1800, 2400 nm/min	
Light source	D2、Wl	
Light source change	Auto Wavelength: 325 to 370nm	
Sample compartment	Beam interval: 100mm Size: 120mm(W)×300mm(D)×140mm(H)	
detector	PMT	
Data process	PC : OS Windows 10 Pro	
Communication of PC and Main unit	USB	
Size(Main unit)	680mm(W)×692mm(D)×257mm(H)	
Temperature/Humidity	Temp: 15 to 35, Humidity: 25 to 85%, Non-condensing	
Weight	45kg (main unit)	
Power consumption	AC115V, AC220V to 240V, 50/60Hz, 300VA (PC, printer not included)	

*1: Baseline flatness in a range of 190 to 850nm

Within ±0.0003Abs(UH3900S), within ±0.0004Abs(UH3900D)

*2: 1%T light attenuating plate