

Model	SR-3500	SR-3501	SR-2500	SR-1900	SR-1901	SR-1600	SR-1100	SR-500	
Spectral Range	350-1000nm	280-2500nm	350-2500nm	350-2500nm	280-1900nm	300-1700nm	320-1100nm	320-1100nm	
Spectral Resolution	3.5nm (350-1000nm) 10nm@1500nm; 7nm@2100nm	4nm (280-1000nm) 10nm@1500nm; 7nm@2100nm	3.5nm (350-1000nm) 22nm@1500nm & 2100nm	3.5nm (350-1000nm) 10nm (1000-1900nm)	4nm (280-1000nm) 10nm (1000-1900nm)	5nm (300-1000nm) 10nm (1000-1700nm)	3.2nm		
Sampling Bandwidth	1.5nm (350-1000nm) 3.8nm@1500nm; 2.5nm@2100nm	1.5nm (280-1000nm) 3.8nm@1500nm; 2.5nm@2100nm	1.5nm (350-1000nm) 6nm@ 1500nm & 2100nm	1.5nm (350-1000nm) 3.8nm@1500nm	1.5nm 280-1000nm 3.8nm@1500nm	1.5nm (300-1000nm) 3nm @ 1500nm	1.5nm (300-1000nm)		
Spectrometer Type	3 Diffraction Gratings		2 Diffraction Gratings			1 Diffraction Grating			
Detectors	512-element UV-enhanced Si Array								
	Two 256-element extended InGaAs arrays		256-element extended InGaAs array			256-element InGaAs Array			
Calibration	Factory calibrated for radiance and/or irradiance using NIST traceable source								
Noise Equivalence Radiance (1.2 meter fiber optic)	0.8x10 ⁻⁹ W/cm ² /nm/sr@400nm 1.2x10 ⁻⁹ W/cm ² /nm/sr@1500nm 1.8x10 ⁻⁹ W/cm ² /nm/sr@2100nm	0.8x10 ⁻⁹ W/cm ² /nm/sr @400nm 1.2x10 ⁻⁹ W/cm ² /nm/sr @1500nm 1.8 x10 ⁻⁹ W/cm ² /nm/sr @2100nm	0.8x10 ⁻⁹ W/cm ² /nm/sr @400nm 1.5x10 ⁻⁹ W/cm ² /nm/sr @1500nm 1.8x10 ⁻⁹ W/cm ² /nm/sr @2100nm	0.8x10 ⁻⁹ W/cm ² /nm/sr@400nm 1.2x10 ⁻⁹ W/cm ² /nm/sr@1500nm	0.8x10 ⁻⁹ W/cm ² /nm/sr @400nm 1.2x10 ⁻⁹ W/cm ² /nm/sr @1500nm		0.8x10 ⁻⁹ W/cm ² /nm/sr @400nm		
Software included	DARWin SP Data Acquisition								
Power	7.5V, 23W		7.5V, 15W			6-12V, 0.5W			
Dimensions	8.5" x 12" x 3.5"						5.5" x 2.5" x 6.5"		4" x 2" x 5"
Weight	less than 8 pounds						less than 3 pounds		less than 2 pounds
Interface	USB, Bluetooth							USB	
Integration Time	7.5 - 1000 ms								
Shutter for dark scans	Yes								
Automatic exposure	Yes								
A/D Converter	16 bit								
λ Reproducibility	0.1nm								
λ Accuracy	0.5nm								