

Product		FieldSpec 4 Hi-Res NG	FieldSpec 4 Hi-Res	FieldSpec 4 Standard-Res
Spectral Range		250 - 2500 nm	250 - 2500 nm	250 - 2500 nm
Resolution		3 nm @ 700 nm 6 nm @ 1400/2100 nm	3 nm @ 700 nm 8 nm @ 1400/2100 nm	3 nm @ 700 nm 10 nm @ 1400/2100 nm
Noise Equivalent Radiance (NE _{DL})	VNIR SWIR 1 SWIR 2	1.0 × 10 ⁻⁹ W/cm ² /nm/sr @ 700 nm 8.0 × 10 ⁻⁹ W/cm ² /nm/sr @ 1400 nm 8.0 × 10 ⁻⁹ W/cm ² /nm/sr @ 2100 nm	1.0 × 10 ⁻⁹ W/cm ² /nm/sr @ 700 nm 1: 1.4 × 10 ⁻⁹ W/cm ² /nm/sr @ 1400 nm 2: 2.2 × 10 ⁻⁹ W/cm ² /nm/sr @ 2100 nm	1.0 × 10 ⁻⁹ W/cm ² /nm/sr @ 700 nm 1.2 × 10 ⁻⁹ W/cm ² /nm/sr @ 1400 nm 1.9 × 10 ⁻⁹ W/cm ² /nm/sr @ 2100 nm

ASD FieldSpec [®] 4 Instrument Details	
Spectral sampling (bandwidth)	1.4 nm @ 350–1000 nm, 1.1 nm @ 1001–2500 nm
Scanning time:	100 milliseconds
Stray light:	VNIR 0.02%, SWIR 1 & 2 0.01%
Wavelength reproducibility:	0.1 nm
Wavelength accuracy:	0.5 nm
Maximum radiance:	VNIR 2X solar, SWIR 10X solar
Channels:	2151
Detectors:	VNIR detector (350–1000 nm) 512 element silicon array SWIR 1 detector (1001–1800 nm) graded index InGaAs photodiode, two stage TE cooled SWIR 2 detector (1801–2500 nm) graded index InGaAs photodiode, two stage TE cooled
Input:	1.5 m fiber optic (25° field of view). Optional narrower field of view fiber optics available.
Weight:	5.44 kg (12 lbs)
Calibration:	Wavelength, reflectance, radiance*, irradiance*. All calibrations are NIST traceable (*radiometric calibrations are optional).
Computer:	Windows [®] 7 64-bit laptop (instrument controller)
Warranty:	One year full warranty including expert customer support

