

Product	FieldSpec <sup>®</sup> 4 Standard-Res	FieldSpec 4 Hi-Res	FieldSpec 4 Wide-Res
Wavelength range	350-2500 nm	350-2500 nm	350-2500 nm
Resolution	3 nm @ 700 nm 10 nm @ 1400/2100 nm	3 nm @ 700 nm 8 nm @ 1400/2100 nm	3 nm @ 700 nm 30 nm @ 1400/2100 nm
Noise Equivalent Radiance (NEdL)	VNIR 1.0 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 700 nm SWIR 1 1.2 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 1400 nm SWIR 2 1.9 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 2100 nm	VNIR 1.0 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 700 nm SWIR 1 1.4 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 1400 nm SWIR 2 2.2 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 2100 nm	VNIR 1.0 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 700 nm SWIR 1 1.2 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 1400 nm SWIR 2 1.9 x 10 <sup>-9</sup> W/cm <sup>2</sup> /nm/sr @ 2100 nm

## FieldSpec<sup>®</sup> 4 Instrument Details

Sampling interval	1.4 nm @ 350-1025 nm, 2 nm @ 1000-2500 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 (1000-1800 nm) Graded Index InGaAs Photodiode, TE Cooled SWIR 2 detector (1800-2500 nm) Graded Index InGaAs Photodiode, 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 <sup>®</sup> 7 64-bit laptop (instrument controller)
Warranty	One year full warranty including expert customer support