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FieldSpec 4

Product		FieldSpec 4 Hi-Res NG	FieldSpec 4 Hi-Res	FieldSpec 4 Standard-Res	FieldSpec 4 Wide-Res
Spectral range		350 – 2500 nm	350 – 2500 nm	350 – 2500 nm	350 – 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	3 nm @ 700 nm 30 nm @ 1400/2100 nm
Noise Equivalent Radiance (NEdL)	VNIR	1.0 x 10^{-9} W/cm^2/nm/sr @ 700 nm	1.0 x 10^{-9} W/cm^2/nm/sr @ 700 nm	1.0 x 10^{-9} W/cm^2/nm/sr @ 700 nm	1.0 x 10^{-9} W/cm^2/nm/sr @ 700 nm
	SWIR 1	8.0 x 10^{-9} W/cm^2/nm/sr @ 1400 nm	1.4 x 10^{-9} W/cm^2/nm/sr @ 1400 nm	1.2 x 10^{-9} W/cm^2/nm/sr @ 1400 nm	1.5 x 10^{-9} W/cm^2/nm/sr @ 1400 nm
	SWIR 2	8.0 x 10^{-9} W/cm^2/nm/sr @ 2100 nm	2.2 x 10^{-9} W/cm^2/nm/sr @ 2100 nm	1.9 x 10^{-9} W/cm^2/nm/sr @ 2100 nm	2.8 x 10^{-9} W/cm^2/nm/sr @ 2100 nm

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



asdi.com | 303.444.6522 | 2555 55th Street, Suite 100, Boulder, CO 80301 USA

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