

# SPECTRAL EVOLUTION

## A Range of Field Spectroradiometers for Remote Sensing



	SR-6500	RS-5400	SR-8800	PSR+	RS-3500
<b>Spectral Range</b>	350-2500nm	350-2500nm	350-2500nm	350-2500nm	350-2500nm
<b>Spectral Resolution</b>	1.5nm@700nm	2.5nm@700nm	2.8nm@700nm	2.8nm@700nm	2.8nm@700nm
	3.0nm@1500nm	5.5nm@1500nm	8nm@1500nm	8nm@1500nm	8nm@1500nm
	3.8nm@2100nm	5.8nm@2100nm	6nm@2100nm	6nm@2100nm	6nm@2100nm
<b>Si Photodiode Detector</b>	1024 element TE-cooled Si array (350-1000nm)	1024 element enhanced Si array (350-1000nm)	521 element Si array (3250-1000nm)	512 element Si array (350-1000nm)	512 element Si array (350-1000nm)
<b>InGaAs Photodiode Detectors (TE-cooled)</b>	512 element TE-cooled InGaAs array (1000-1600nm)	512 element TE-cooled InGaAs array (1000-1600nm)	256 element extended wavelength array (1000-1900nm)	256 element extended wavelength array (1000-1900nm)	256 element extended wavelength array (1000-1900nm)
	512 element TE-cooled extended InGaAs array (1600-2500nm)	512 element TE-cooled extended InGaAs array (1600-2500nm)	256 element extended wavelength array (1900-2500nm)	256 element extended wavelength array (1900-2500nm)	256 element extended wavelength array (1900-2500nm)
<b>Sensitivity Noise Equivalence Radiance (NER)</b>	0.8x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@400nm 0.3x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@1500nm 5.6x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@2100nm	0.5x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@400nm 0.2x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@1500nm 2.5x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@2100nm	0.8x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@400nm 1.2x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@1500nm 1.8x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@2100nm	0.5x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@400nm 0.8x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@1500nm 1.0x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@2100nm	0.8x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@400nm 1.2x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@1500nm 1.8x10 <sup>-4</sup> W/cm <sup>2</sup> /nm/sr@2100nm

**SR-6500**— ultra-high resolution field portable spectroradiometer for analyzing the finest spectral features. Use with our Miniprobe and ILM-660 for soil analysis and mineral identification; use our unique leaf clip for vegetation studies. Available with a range of fiber mount Field of View lenses.

**RS-5400**— high resolution field portable spectroradiometer for *in situ* measurements with high resolution and sensitivity. Use with our contact probe and Miniprobe or benchtop probe for soil analysis; use our unique leaf clip for vegetation studies. Available with a range of fiber mount Field of View lenses.

**SR-8800**—high resolution spectroradiometer controlled via iPhone, Android device or tablet. Used with *Sensa/Tilt* pistol grip to provide real-time accurate measurements of scan angle, sun angle, distance from target and real-time target viewing so users of every experience level can scan at nadir for more accurate measurements.

**PSR+** — high resolution/high sensitivity field portable spectroradiometer with both direct attached lenses and fiber mount FOV options. Rugged and reliable construction for field use. Operate in standalone mode with built-in LCD display and memory to store up to 1000 scans. Highest sensitivity of our spectroradiometers.

**RS-3500**— high resolution budget-friendly field spectroradiometer for a range of remote sensing applications. Available with accessories as a remote sensing bundle.



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