

Mineral Spectrometer Metadata

TerraSpec4 Hi Res Mineral Spectrometer

Specs

Wavelength range	350-2500 nm
Resolution	3 nm @ 700 nm and 6 nm @ 1400/2100 nm
Scanning time	100 milliseconds
Signal-to-noise ratio	VNIR: 9,000:1 @ 700 nm SWIR 1: 9,000:1 @ 1400 nm SWIR 2: 4,000:1 @ 2100 nm
Stray light	VNIR: 5000:1 (0.02%) NIR: 10,000:1 (0.01%)
Wavelength reproducibility	0.1 nm
Wavelength accuracy	0.5 nm
Channels	2151
VNIR detector	(350-1000 nm) 512 element silicon array
SWIR 1 & 2 detectors	(1001-1800 nm) & (1801-2500 nm) Graded Index InGaAs Photodiode, TE Cooled
