Fast, full-spectrum UV/VIS/NIR measurements (350-2500nm) with just one scan

Highest (FWHM) resolution in a field portable:
≤2.8nm @ 700nm
≤8.0nm @ 1500nm
≤6.0nm @ 2100nm

Proprietary Sotex™ filter technology for improved sorting and smoother transitions

Improved NER for the best available signal-to-noise ratio at the best available resolution

Improved cooling and performance with combined integral heat sinks and optimized cooling pipes

One touch operation with auto-shutter, auto-exposure, and auto-dark correction before each new scan—no manual optimization needed

No moving optical parts and improved optical path for reliable, superior operation

Lightweight—7 lbs. (3.17 kg) for field use

Lightweight, ergonomic, and field proven accessories including contact probe, pistol grip, and leaf clip

Compact— 8.5” x 11.5” x 3.25”

Lightweight (400 grams), rechargeable Li-ion batteries for up to 4 hours of field operation per battery

Removable fiber optic cable—field swappable

Switchable direct mount lens for maximum signal throughput—available in a wide range of FOV options for varying target sizes

Built-in laser targeting

Standalone operation—internal memory/1,000 scans

Rugged optional handheld tablet provides sunlight readable screen and stores spectra, digital photos, and GPS data for each scan

Operates with mobile devices via Bluetooth (Class 1)

Instrument control software includes multiple vegetative indices, USGS geological library, solar simulation software, CIE 1931 colorimeter, and energy measurement module

Optional EZ-ID sample identification software with Custom Library Builder module

Wide operating temperature range: -10 to 40° C