

SPECTRAL EVOLUTION

PSR+ 3500 Field Portable Spectroradiometer



PSR+3500 Advantages

- ◆ 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



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