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

NEW
High –Res Specs

- Compact— 8.5” x 11.5” x 3.25”
- Lightweight (4oo 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 PDA provides sunlight readable screen and stores spectra, digital photos, audio notes, GPS and altitude 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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