oreXpress Field Spectrometer Advantages

- Fast, full-spectrum UV/VIS/NIR measurements (350-2500nm) with just one scan
- High spectral resolution (FWHM): 3.0nm (350-1000nm) 8.0nm @ 1500nm 6.0nm @ 2100nm
- Lightweight less than 7.3 lbs.
- Auto-shutter, auto-exposure, and auto-dark correction before each new scan—no manual optimization needed
- Superior field reliability with no moving parts to break down
- Compact—8.5” x 11.5” x 3.5”
- Small, lightweight, rechargeable Li-ion batteries for up to 4 hours of field operation per battery
- Mineral contact probe is lightweight and easy to use—designed for all day operation at outcrops, pits, benches, or in a core shack - fits in a chip tray
- Best in class NER (Low Noise Equivalent Radiance)
- 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 I) for operation without cables
- Optional EZ-ID sample identification software with Custom Library Builder module—perform mineral ID in the field in seconds using a tablet or laptop running EZ-ID
- EZ-ID comes with the USGS spectral library and the SpecMIN library with almost 4,000 spectra is also available
- DARWin SP Data Acquisition software included with every spectrometer—saves spectra and meta data as ASCI files for use with third party software without pre-processing
oreXpress™ Field Portable Mineral Analyzers

oreXpress in the field

- Lightweight, designed for single-user operation for a long day at a single or multiple sites
- Quickly scan samples (2 seconds), cover more ground, collect more accurate information from outcrops, pits, and benches before drilling
- Running EZ-ID on a tablet, get instant identification of critical alteration minerals and better interpretation for a more profitable approach to drilling
- Save all scans, results, and meta data as ASCII files for further analysis with third party software without pre-processing
- Concentrate on the most promising areas and eliminate unnecessary drilling—one less unnecessary drill hole can more than pay for the instrument
- Match your target scans against the almost 4,000 spectra in the USGS and optional SpecMIN™ libraries
- Identify minerals across a range of deposit types in gold, copper, iron, nickel, uranium, rare earth exploration

oreXpress in the core shack

- Mineral contact probe fits easily in chip trays, easy to hold during core logging
- Makes core logging very fast—on average, an experienced geologist might manually log 20 meters in a day; an automated core scanning system between 100-900 meters in a day; with an oreXpress, a user can log 400 meters in a day
- Very affordable core logging solution—ROI can be achieved in reduced assay costs alone
- With EZ-ID and the oreXpress a geologist can build a virtual digital core archive
- Files are saved as ASCII—EZ-ID batch mode can save them in a spreadsheet format if you want or use them with your favorite 3D mine mapping or mine planning software
- With the oreXpress and EZ-ID, you have an accurate, consistent, systematic approach to core logging that will produce a more precise and complete picture of the mining potential
- Protects, organizes and maximizes your investment in exploration and drilling

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