



PRESS RELEASE

Accurately identify clays in mineral assemblages with the oreXpress™ and EZ-ID™ software.

Lawrence, MA – June 25, 2015 – Identifying clays in mineral assemblages can provide key indications of mineralized systems. The field portable oreXpress spectrometer with EZ-ID mineral identification software can be used to identify different clays and patterns of alteration in the field and the core shack. This data can be used to map alteration zones and discover vectors to new or overlooked deposits.

Clays can be so similar visually that even experienced geologists are hard pressed to distinguish between different clays. For example, low sulfidation assemblages might be characterized by illite, montmorillonite, and sericite while high sulfidation might be characterized by kaolinite and alunite. The oreXpress with EZ-ID can help a geologist decide the identity of different clays and create an accurate mineral map.

Using the oreXpress to collect spectral data in the field quickly, easily, and without harming the sample, a geologist can analyze the spectra and use EZ-ID to match the target spectra against the USGS and SpecMIN™ spectral libraries. EZ-ID will present the library sample that best matches the target and provide a percentage indicating confidence in the match. In addition, a geologist can decide to look at specific features to fine-tune the identification. For example by concentrating on a doublet at 1400nm versus one at 1425nm, a geologist can highlight the difference between kaolinite and alunite.

The oreXpress provides a full range field spectrometer with a spectral range from 350-2500nm that has the highest resolution and greatest sensitivity available today. It is ruggedly built for reliability in the field with no moving optical parts and a rugged steel-jacketed fiber optic cable that is field swappable. It has no vents or fans for contamination by dust and dirt and a superior cooling design for fieldwork.

Weighing in at seven pounds it is light and fits in a backpack. With two lithium-ion batteries, it can provide power for a full day of scanning.

For more information, visit:

http://www.spectralevolution.com/applications_clays_minerals.html

About SPECTRAL EVOLUTION

Established in 2004, SPECTRAL EVOLUTION is a leading manufacturer of laboratory and handheld portable spectrometers, spectroradiometers and spectrophotometers. SPECTRAL EVOLUTION spectrometers are used worldwide for many mission-critical lab and field applications in mining, remote sensing, vegetative studies, ground truthing, environmental and climate studies, developing satellite calibrations, and more, due to their reliable, robust, rugged design and user-friendly one-touch features.

SPECTRAL EVOLUTION maintains a facility in Lawrence, Massachusetts which houses design, prototyping, manufacturing and service facilities for the instruments that it markets and sells worldwide, either through direct sales, OEM sales or through distributor agents.

Press contact

Mo Kashdan

Marketing & Sales

978-687-1833

Maurice.kashdan@spectralevolution.com

SPECTRAL EVOLUTION

1 Canal Street, Unit B1

Lawrence, MA 01840 USA

www.spectralevolution.com

