Geological Spectrometer

Fourier transform infrared spectroscopy (FTIR) is a spectroscopic technique that has been used for analyzing the fundamental molecular structure of geological samples in recent decades.

This state-of-the-art mineral spectrometer offers enhanced performance in the SWIR 1 and 2 regions and a 6 nm resolution to help you determine the viability of mineral exploration targets faster and ...

Spectrometers in geophysics are primarily used to identify the presence and concentration of minerals by measuring the spectrum of light that is either emitted or absorbed by the ...

Learn how measuring the abundance of elements and isotopes of different elements can help explain geological systems on Earth and in the cosmos.

Take a famous geological discovery - say, the age of the Earth, or the death of the dinosaurs - and it"s a sure bet that mass spectrometers played a part. Like a telescope for ...

With Spectral Evolution field portable UV-Vis-NIR spectrometers and EZ-ID(TM) mineral identification software, geologists can measure and identify minerals within seconds and cover more ground than ...

Whether you"re mapping mineralogy from the sky or drilling into data on the ground, these spectrometers and spectroradiometers offer precise, reliable, and application-ready performance across the entire ...

Maps of hyperspectral imaging spectrometer data used to identify and characterize mineral deposits, vegetation, and other land surface features.

What types of materials can it analyze? A Portable Gamma Ray Spectrometer can analyze a wide range of geological materials. It is particularly effective in identifying and quantifying the natural radioactivity ...

SPECTRO offers a full range of XRF and ICP-OES instruments optimized for geological applications, ensuring accurate elemental analysis in geosciences.

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