GDR Telecom Site Energy Systems

Spectrometers can detect minerals

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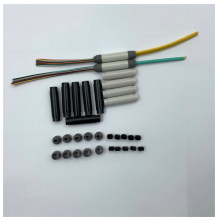
With Spectral Evolution field portable UV-Vis-NIR spectrometers and EZ-ID™ mineral identification software, geologists can measure and identify minerals within seconds and cover more ground than ...

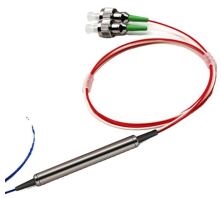


X-Ray Fluorescence (XRF)-based portable mineral testers, such as TITAN, provide immediate, on-site elemental analysis of minerals to support exploration, geological mapping, and sample screening ...

Spectroscopic methods are essential for characterizing minerals because they provide important information about their physical, chemical, and structural characteristics.

Hyperspectral imaging (HSI) involves capturing light reflected from the Earth''s surface across a wide range of wavelengths in consecutive, narrow wavelength intervals. By analyzing this reflected light, ...

Mineral identification via Raman is a fingerprint-type technique very much like PXRD – a spectrum is collected from a mineral target and then compared with a database of spectra collected from known ...

	Wide range of minerals can be analyzed with Skyray X-Ray Fluorescence Spectrometers. Mineral and Mining analysis software includes Fundamental Parameters and large mineral database with NIST ...
	Many sensing techniques use a spectrometer to measure the intensity of electromagnetic radiation, or light, at different wavelengths. The measured result is generally referred to as a spectrum.
	Imaging spectrometers, commonly known as hyperspectral imagers, can map the distributions of minerals and variations in mineral chemistry at laboratory, field, and aircraft spatial scale.
	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 ...
	If you shine a white, IR, or UV light at a mineral like this, for some broad classes of minerals you can indeed detect their presence by looking at the reflectance spectrum and comparing ...

Contact Us

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