

This is a compact multichannel spectrophotometer that integrates a spectrometer and a high-sensitivity detector. We offer a wide variety of models with different measurement wavelengths and sensitivities.

Optical spectroscopy is a technique that is used to measure light intensity in the ultraviolet (UV), visible (VIS), near-infrared (NIR), and infrared (IR) range of the electromagnetic spectrum.

Light band readings are a very valuable way to check for improper lapping techniques, incorrect vehicle and abrasive ratios, or faulty equipment. Looking at the two examples above.

The spectrometer uses a prism or a grating to spread the light into a spectrum. This allows astronomers to detect many of the chemical elements by their characteristic spectral lines.

In characterizing light sources (e.g. LEDs, Tungsten lamps and sunlight), understanding the differences in parameters is key. This white paper describes the above aspects and shows how an intensity ...

A spectrophotometer shines light at various wavelengths onto the sample and investigates the degree of absorption, reflection, and transmission of the light to perform qualitative or quantitative analysis of ...

The document explains the use of monochromatic light bands for measuring surface flatness, detailing how to interpret interference patterns created by an optical flat.

The dark lines and dim bands of light in a transmission spectrum correspond to atoms and molecules in the planet's atmosphere. The amount of light that is transmitted also depends on how ...

Spectrometers use light wavelengths to investigate the chemical composition of a sample. Atomic spectrometers use an analytical method by which one or several elements in unknown mixtures can ...

To specifically collect emission from multiple probes, the light is first separated spatially and then passes through a device that defines a spectral band. Classically, this is a common glass ...

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