

The calibration of the spectral reflectance in the spectral range from 250 nm to 2400 nm is carried out by the Calibration Laboratory for Optical Radiation Measurements of Gigahertz-Optik GmbH.

This guide explains how proper calibration improves photometric and wavelength accuracy, minimizes measurement errors, and keeps your spectrophotometer compliant with global ...

Calibration of a physical standard means to establish its reflectance value by a suitable procedure. According to the old CIE convention this procedure consisted of preparing a smoked MgO ...

NIST offers world-class calibrations of spectral reflectance and transmittance through NIST Calibration Services at the NIST Storefront. The catalog of available calibrations includes ...

The calibration can be performed quickly by taking a dark reference (a measurement with the light source turned off) and a white reference (a measurement of a halogen light source).

A GUIDE TO REFLECTANCE SPECTROSCOPY Art Springsteen, Ph.D., Director Reflectance Research
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Diffuse and specular reflectance standards are used to calibrate colorimeters, reflectometers, spectroradiometers, bidirectional reflectance distribution function (BRDF) scatterometers, ...

In this study, the performances and accuracies of three methods for converting airborne hyperspectral spectrometer data to reflectance factors were ...

Learn how to calibrate a spectrophotometer with our expert step-by-step guide. We cover wavelength accuracy, photometric accuracy, and stray light tests for reliable results.

In this study, the performances and accuracies of three methods for converting airborne hyperspectral spectrometer data to reflectance factors were characterized and compared.

Learn the complete spectrophotometer calibration procedure. Our expert guide covers frequency, standards, and troubleshooting for accurate, reliable results.

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