

NWS5000 Spectrometer

Description:

Your Reliable Spectrometer for Industrial Applications

The NWS5000 series miniature fiber optic spectrometer is engineered for demanding industrial environments. Its rugged design and stress-free components ensure long-term stability. Ideal for OEM integration and process control, it delivers accurate and consistent measurements, including CIE color parameters.

Key Features:

High Chromaticity Stability: Ensures accurate and repeatable color measurements.

High-Speed Operation: Enables real-time monitoring and process control.

Industry-Standard Colorimetric Accuracy: Provides data traceable to recognized industry standards.

Extensive Light & Color Dynamic Library: Supports a wide range of applications and materials.

Low Stray Light: Minimizes measurement errors in challenging environments.

Low-Temperature Drift: Maintains consistent performance under varying temperatures.

High Value/Cost Ratio: Delivers exceptional performance at a competitive price.

Applications

LED Spectral Analysis: Precise characterization of LED spectral output and color properties.

Wafer Quality Control: Accurate measurement of wafer reflectance and transmittance.

Environmental & Chemical Combustion Analysis: Analysis of emissions and process streams.

Light Source Color Parameter Measurement: Precise measurement of color temperature, CRI, and other key parameters.

Color Measurement & Quality Control: Consistent and reliable color analysis for various industries.

Fiber Optic Transmittance Testing: Characterization of fiber optic cable performance.

Educational & Research Applications: Versatile platform for spectroscopy education and research.

Resolution

Spectral Range (nm)	Wavele ngth Resoluti on (nm)	Slit Width: 30 μm	Slit Width: 40 μm	Slit Width: 50 μm	Slit Width: 60 μm	Slit Width: 70 μm	Slit Width: 100 μm	Slit Width: 150 μm	Slit Width: 200 μm
350 - 950	0.33	1.20	2.00	2.20	2.40	2.80	3.80	5.80	7.70
350 - 1100	0.45	1.70	2.20	2.70	3.20	3.60	5.00	7.20	9.70