

Micro Spectrophotometer/ NanoDrop Spectrophotometer



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Model: MSK5500PlusSWISS

The MSK5500PlusSWISS is a state-of-the-art ultra-micro spectrophotometer designed for precise detection across a wide range of applications, including nucleic acids, proteins, colloidal solutions, and microarray samples. With advanced full-wavelength scanning capabilities, this instrument is ideal for various scientific and research applications.

Key Features:

1. Instrument Control and Operation:

- Built-in Win10 system for intuitive functionality.
- 7-inch high-definition touchscreen display for full control and easy navigation.

1. Data Output Method:

- Over 32GB of internal storage for saving results and custom methods.

- Automatic saving in spreadsheet format, ensuring organized data management.
- Data can be transferred via USB or network.
- Electronic manual for easy reference.

1. Data Output Port:

- Includes 2 USB ports compatible with devices like mice, keyboards, and desktop computers.

1. Connectivity:

- Built-in Bluetooth and Wi-Fi for remote operation and wireless printing of results.

Specifications:

- Light Path: 1mm
- Sample Volume: 1-2 μ L
- Light Source & Detector: Xenon lamp with a 3684-element linear silicide CCD array
- Detection Range: 190-850nm
- Wavelength Range: 190-1100nm
- Wavelength Accuracy: ± 1 nm
- Wavelength Resolution: 2nm (FWHM at Hg 546nm)
- Absorbance Accuracy: 0.002 Abs
- Absorbance Range: 0.02-15 Abs (equivalent to 10mm)
- Detection Time: Less than 3 seconds
- Nucleic Acid Range: 1-750 ng/ μ L dsDNA
- Protein Measurement Range: 0.1-40 mg/mL (BSA)
- Sample Measurement Time: Less than 5 seconds

- Machine Size: 20x30x20 cm
- Machine Weight: 2.8 kg

This micro spectrophotometer is designed to provide fast, accurate, and reliable measurements, making it an essential tool for modern laboratories.