

## UV-Vis Spectrophotometer/ Spectrophotometer



### UV VIS Spectrophotometer MSTQNVW7111USWISS

#### Key Features:

1. **Wavelength Range:** 190-1100 nm
2. **Single Beam Design:** Offers high accuracy with reliable readings.
3. **Data Output Port:** USB, allowing for seamless data transfer and connectivity.
4. **Touchscreen:** Equipped with a 7" touchscreen for easy operation.
5. **Built-in Storage:** 32GB memory and Bluetooth support for network connectivity.
6. **Advanced Data Analysis:** Includes functions like photometric measurement, spectral scanning, multi-wavelength testing, and data printing.
7. **Optical System Suspension Design:** Enhances stability by isolating the optical path from external vibrations.
8. **Automatic Start-Up Verification:** Ensures accuracy and reliability over long-term

use.

**9. Data Export:** Allows data export to a USB for further analysis or reporting.

### Specifications:

- **Model:** MSTQNVW7111USWISS
- **Wavelength Range:** 190-1100 nm
- **Spectral Bandwidth:** 2 nm
- **Wavelength Accuracy:**  $\pm 0.5$  nm
- **Stray Light:** 0.05%T @ 220 nm, 360 nm
- **Wavelength Repeatability:**  $\pm 0.1$  nm
- **Photometric Accuracy:**
  - $\pm 0.2$ T (0-100%T)
  - $\pm 0.002$  Abs (0-0.5 Abs)
  - $\pm 0.004$  Abs (0.5-1.0 Abs)
- **Photometric Repeatability:**
  - $\pm 0.05$ %T (0-100%T)
  - 0.001 Abs (0-0.5 Abs)
  - 0.002 Abs (0.5-1.0 Abs)
- **Stability:**  $\pm 0.001$  Abs/h @ 500 nm
- **Photometric Range:** 0-200%T, -0.3-3.0 A, 0-9999 C
- **Baseline Flatness:**  $\pm 0.001$  Abs
- **Noise:**  $\pm 0.005$  Abs
- **Display:** 800 x 480 touch screen
- **Light Source:** Tungsten Lamp & Deuterium Lamp
- **Power Requirements:** AC220V/50Hz or 110V/60Hz
- **Detector:** Silicon Photodiode
- **Dimensions:** 461 x 381 x 181 mm
- **Weight:** 22 kg

### Standard Accessories:

1. **Spectrophotometer** - 1 set
2. **1 cm Glass Cuvette** - 4 pcs
3. **Power Cord** - 1 pc
4. **User's Manual** - 1 pc
5. **1 cm Quartz Cuvette** - 2 pcs
6. **Dust Cover** - 1 pc

This UV VIS Spectrophotometer is designed to offer precise and reliable performance for various analytical applications. With advanced features, a durable optical system, and easy-to-use data management tools, it is an excellent choice for research and quality control.