



The World Star Tech Touch Screen Spectrometer is a powerful yet compact microspectrometer sensitive to light ranging from 390 to 800 nanometers. It provides high-performance spectral acquisition, with resolution less than 1 nanometer across the entire spectrum, and accuracies of +/-0.3 nanometers. The touchscreen provides an easy to use and convenient interface. Download and analyze the spectrum data using the accompanying PC software.

## Features

- Compact design
- Touch Screen Display and PC Software
- UV/Visible Spectrum
- High resolution and accuracy

## Applications

- Full Spectrum Analysis
- Chemical Analysis
- Quality Control
- Portable Devices

## Accessories Included

- USB-C Cable
- 5V 1A Power Supply
- 50 μm fiber (FC - Input NA: 0.22) 1m length
- Windows Control Software

# SPECTROMETER DATA SHEET

## TECHNICAL SPECIFICATIONS

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Wavelength Range:                | 390nm – 800nm                              |
| Center Spectral Resolution (nm): | <1 nm using 50-micron fiber                |
| Edge Spectral Resolution (nm):   | <1 nm using 50-micron fiber                |
| Wavelength Accuracy (nm):        | +/-0.3 nm                                  |
| Measurement Speed (ms):          | 200 ms                                     |
| Integration Time:                | 10 $\mu$ s to 17.28 ms                     |
| Wavelength Increment (nm):       | 0.5 nm with touch screen, 0.16 nm using PC |
| Operating Humidity:              | <85% relative, non-condensing              |
| Operating Temperature:           | 10-50°C                                    |

## MECHANICAL SPECIFICATIONS

|             |                     |
|-------------|---------------------|
| Size:       | 110mm x 63mm x 40mm |
| Weight:     | 300 g               |
| Fiber Type: | FC (Input NA: 0.22) |

## MECHANICAL DRAWING

