

SP Series Spectrophotometers

SP2000 / SP4000 — Wide Range, High Resolution

The SP2000 and SP4000 represent MPD Scientific's high-resolution tier of the SP-Series, featuring a shared 2 nm spectral bandwidth platform for enhanced wavelength precision over the SP1000 and SP3000. Built on an advanced single-beam optical platform with a Tungsten-Halogen light source, 5-inch TFT color touchscreen, and universal connectivity, both systems provide consistent, user-friendly operation across laboratory environments. The SP2000 is optimized for reliable high-resolution photometry and quantitation in routine workflows, while the SP4000 expands capability with a wider wavelength range, full spectrum scanning, and improved stray light performance for applications requiring greater spectral precision. Together, they provide a scalable upgrade path without the need to change platforms or retrain users.



Product Overview

SP2000

Advanced visible-range performance



- Wavelength Range: 320 – 1050 nm
- Light Source: Tungsten
- Bandwidth: 2 nm
- Wavelength Accuracy: ± 0.8 nm
- Wavelength Repeatability: ≤ 0.3 nm

SP4000

High-resolution extended-range performance



- Wavelength Range: 320 – 1100 nm
- Light Source: Tungsten
- Bandwidth: 2 nm
- Wavelength Accuracy: ± 0.5 nm
- Wavelength Repeatability: ≤ 0.2 nm

Key Features

2 nm Spectral Bandwidth

Enhanced wavelength resolution for greater measurement precision and accuracy

Touchscreen Interface

5-inch TFT color touchscreen for straightforward operation with minimal training

Single Beam Optical System

Consistent, reliable measurements with a Tungsten Halogen light source across the full visible range