

Cary 6000i UV-vis-NIR Spectrophotometer

Supported By: Agilent

Cary 6000i

The Cary 6000i is a high performance UV-Visible-NIR spectrophotometer with unmatched photometric performance in the 175-1800 nm range. Using narrow band InGaAs detection for improved linearity the Cary 6000i is the ultimate tool for materials science research. Controlled by the [Cary WinUV software](#), a modular Windows-based software, makes it easy to perform powerful analysis and control a number of optional accessories. The large sample compartment can be expanded to hold large accessories and integrating spheres for spectral and diffuse reflectance.

Cary 6000i Specifications

- Measure beyond 8.0 absorbance units with reference beam attenuation
- Measure 175 to 1800 nm using a InGaAs detector for unmatched precision and linearity
- [WinUV software](#) – modular software with power analysis and enhanced transfer and report export capabilities
- Versatile set of accessories for materials research including spectral and diffuse reflectance
- Variable slit widths (down to 0.01 nm) for optimum control over data resolution
- Large sample compartment with LockDown mechanism for quick changes and positioning for reproducible results
- Maximum light throughput using Schwarzschild coupling optics for higher accuracy at low transmission levels
- Minimal noise and stray light using a floating aluminum casting and double Littrow monochromator
- Extended dynamic range by attenuating the reference beam more in line with the sample absorbance