

# Olis-Modernized Cary 14 UV/Vis/NIR Spectrophotometer

Premium quality optical system built around the most respected and admired monochromator of the last 60 years. True dual beam absorbance spectrophotometer with prism + grating F/8 monochromator using a photomultiplier tube throughout UV/Vis region and a PbS detector throughout NIR. Includes automatic lamp and detector changeover facilities for moving between deuterium (UV) and tungsten (Vis, NIR) lamps and between PMT and PbS detectors at user selectable wavelengths. Frequently employed in NIR fluorescence, reflectance, and CD spectroscopy systems.

## Applications:

High resolution UV/Vis/NIR scanning  
Diffuse & Specular reflectance of liquid, solid, and powder samples  
Characterization of filters, coatings, and optical components

## Technical Specifications:

- Double beam
- Prism + grating monochromator (automatic handling of second order light without filters)
- Tungsten & Deuterium lamps
- 185 – 2600 nm
- Angstrom spectral resolution
- < 0.0001% Stray Light

## Available upgrades:

Fluorescence scanning (NIR compatible)  
Circular Dichroism Module (NIR compatible)  
Integrating Sphere for reflectance measurements  
Vertex Specular Reflectance Accessory  
Stopped-flow for fast kinetic reactions  
Titrator for precise mixing capabilities  
Water bath or Peltier cell holder for temperature regulation  
Thin Film Holder



## Benefits of the Olis Product:

Premium quality optical system with angstrom resolution and exceedingly low stray light  
Continuously adjustable slits allow for constant bandwidth scanning across full 185-2600 nm range  
Olis SpectralWorks software for collection and analysis of single and multiple wavelength data sets  
Modular configuration supports upgrades to many secondary applications  
Priced 20-50% less than optically similar, mass-produced instruments  
Rugged construction with potential for multiple decades of service  
Green alternative to replacing a reliable, functional instrument