

# UV-Visible Spectrophotometer



## APPLICATION:

- Nucleic acid ratio and concentration (260/280 and 260/230)
- Direct protein at 280 nm and 205 nm
- Coomassie/Bradford (Standard and Micro)
- Lowry (Standard)
- BCA (Standard)
- Thermo Scientific Pierce Micro-BCA, modified Lowry and 660 Protein assays
- Cell growth (with scaling factor)

A high-intensity xenon lamp and dual-beam optical geometry empower the GENESYS 10S UV-Vis spectrophotometer to deliver unsurpassed data quality throughout the entire UV-Visible range. Firing pulses of light only when the instrument is taking a measurement, the xenon lamp provides strong illumination from the UV to the near-IR region of the spectrum.

The UV-Vis spectrophotometer uses dual-beam optics to make accurate measurements. Because the light from the xenon lamp is very intense, a beam splitter can be used to extract and measure a small portion of light to an internal reference detector without a loss of performance in sample measurement. This allows simultaneous measurement of the sample with real-time reference beam correction for each flash of the lamp.

## USB Connectivity

This spectrophotometer feature USB connections which allow you to:

- Connect to a computer for software control, data analysis and storage
- Use a USB memory device to store methods and data in CSV format
- Print hard copy data reports directly to an external printer

Connecting to a desktop workstation or laptop computer has never been easier. Built-in software drivers immediately recognize the GENESYS 10S series instruments and allow easy connection to application software. Use the entire capacity of your USB memory device to store method and data files – makes file transfers quick and easy. The instrument supports ink jet and laser printers with HP® PCL control.