

Olis DB 620 Spectrophotometer

Tiny, stable, noise-free, robust, modular, the Olis DB 620 is constructed around the Olis Hummingbird double grating monochromator.

While this model was designed for high speed photolysis kinetic studies, it is ideally suited for lengthy thermal melts and equilibrium studies, too.

Applications:

Kinetic studies to 20 MHz
General UV/Vis scanning 200-800 nm
Fixed wavelength stopped-flow

Commonly used Accessory Options:

Olis USA Stopped-flow (or third party alternative)
Laser, Flash, LED, or other actinic source
Single or multiple position Peltier cell holder

Secondary Modules

Fluorescence (scanning excitation, emission, or both)
Circular Dichroism (UV to 170 nm)
Anisotropy
Circularly Polarized Luminescence (CPL)
NIR scanning 500-1700 nm

Technical Specifications:

- 200-800 nm is standard (other regions are available)
- 75W Xenon arc lamp in an elliptical housing
- Hummingbird double grating monochromator
- Kinetics at fixed wavelength to a point per 50 nsec (1000 pts per 0.5 millisecond)



Benefits of the Olis Product:

Extreme modularity for easy configuration for a host of measurements
Very small footprint and light weight for easy relocation
High density data read for rapid data acquisition
RMS noise of 0.00030 AU in 0.001 seconds at 450 nm;
RMS noise of 0.00005 AU in 0.5seconds at 550 nm
Olis SpectralWorks software for collection and analysis of single and multiple wavelength data sets