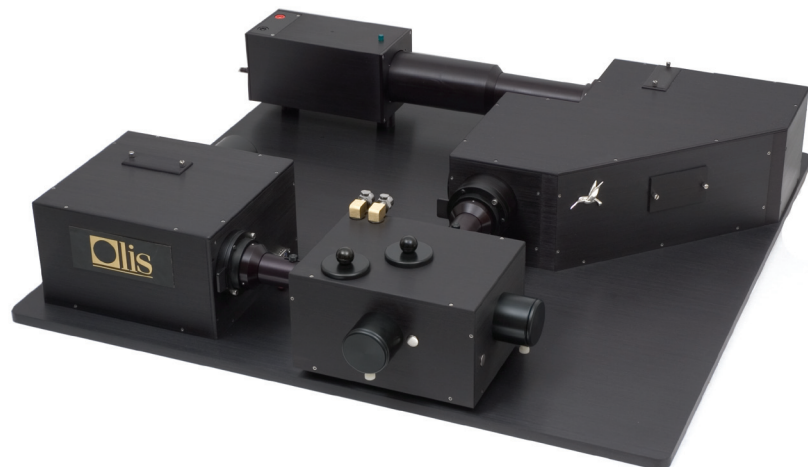


# Olis DM 245 Spectrofluorimeter

As a research-quality scanning spectrofluorimeter, the DM 245 is equally at home in research and pedagogical environments.

## Applications (standard configuration):

Excitation and emission scanning  
Synchronous scanning  
Excitation/emission matrix  
Slow (>10 msec per point) kinetic reactions  
Single point intensity measurements



## Upgradeable to Support:

Stopped-flow (<2 millisecond dead time)  
Anisotropy, circularly polarized luminescence, and fluorescence detected circular dichroism (all with the addition of a Polarization Toolbox!)  
Peltier temperature control  
Automated turret for four samples  
Solid sample holder  
Circular dichroism, dual beam  
Cryogenic sample holder  
Automated titrator  
Absorbance, single and dual beam  
NIR extension (up to 2500 nm)  
Flash photolysis (data collection rate up to 50 nsec per point)

## Technical Specifications:

- 150 W xenon arc lamp (300 W available)
- Excitation range: 200 nm – 800 nm (NIR available)
- Photon counting detection, 280 nm - 630 nm (or, with higher dark count, 170 nm – 850 nm).
- 0.5 nm – 25.0 nm spectral bandwidth
- Scan rate: up to 2000 nm/min
- Raman S/N of 300 (150 W lamp, 1 sec integration, 5 nm bandpass)

## Strengths of the Olis DM 245 spectrofluorimeters:

Research level sensitivity  
Low stray light  
Open architecture modularity for easy access  
Easily upgraded using Olis and third party accessories  
Indestructible construction from cast aluminum plate  
Lamp mounted in an elliptical housing for five-fold greater output  
Intuitive software for instrument control, data acquisition, and modern data analysis  
Extended spectral range available with interchangeable optics and detectors  
Economical upgrade to premium performance circular dichroism (and absorbance) spectrophotometer

## Competes well against:

Edinburgh FS920  
ISS PC1  
Jobin Yvon Horiba FluoroMax 4  
PTI QuantaMaster UV/Vis