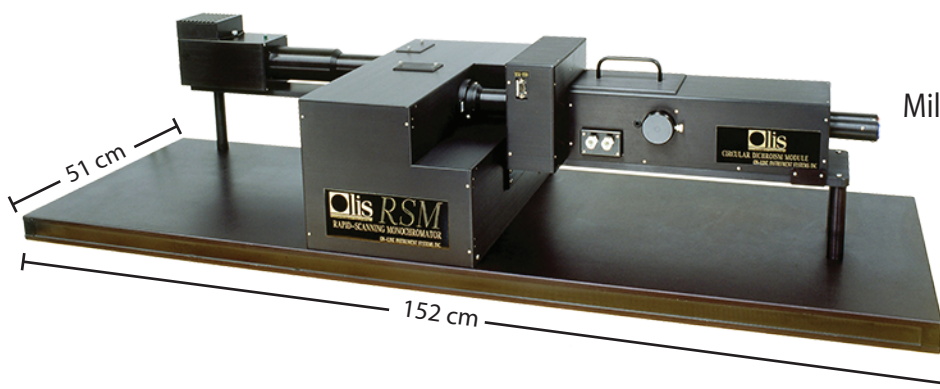


## OLIS DSM 1000 CD

### Highest light throughput of all OLIS CD

Built around the subtractive double grating DeSa monochromator, this premier CD has both brilliant light throughput and easy modularity for optional transitioning from circular dichroism to dynamic studies on whole cells and other suspension (the CLARiTY 1000) or millisecond spectral scanning absorbance (aka, OLIS RSM 1000). This model provides you with everything: highest light throughput, easiest modularity, and rapid-scanning potential. Zero optical realignment or calibration concerns accompany optimizing the monochromator for different spectral spans, resolutions, or speeds. This is the best CD for stopped-flow and other extremely difficult and/ or fast measurements. For clients who want the most from their CD, this is the model of choice.



### Standard Model Performance:

**True dual beam CD detection**  
**True dual beam absorbance**

### Upcycle from Standard:

Millisecond spectral scanning in absorbance  
 CLARiTY  
 Circularly Polarized Luminescence  
 Fluorescence  
 Phosphorescence Lifetime  
 Peltier Thermal Control  
 Stopped Flow  
 Thin Film Holder  
 Titrator

### OLIS DSM 1000 SPECIFICATIONS

Spectral Range	167-540 nm with 2400 line/mm gratings; replaceable with grating for 300-800 nm
Monochromator	Subtractive Double Grating with Moving Intermediate Slit; 50 mm x 50 mm halographically blazed gratings, select among UV/Vis or Vis/NIR
Light Source	150 watt ozone producing steady-state xenon arc lamp
Scan Rate	Entirely variable, up to 15,000 nm/second. After reconfiguration as OLIS RSM 1000, then 1,000 scans per second.
Mode of Detection	2 PMTs, UV/Vis optimized; NIR available with InGaAs; option of photon counting for fluorescence
Stray Light Rejection	< 0.001 %
Intermediate Slit	Replaceable with ScanDisk or StepDisk for RSM 1000 or CLARiTY 1000 use