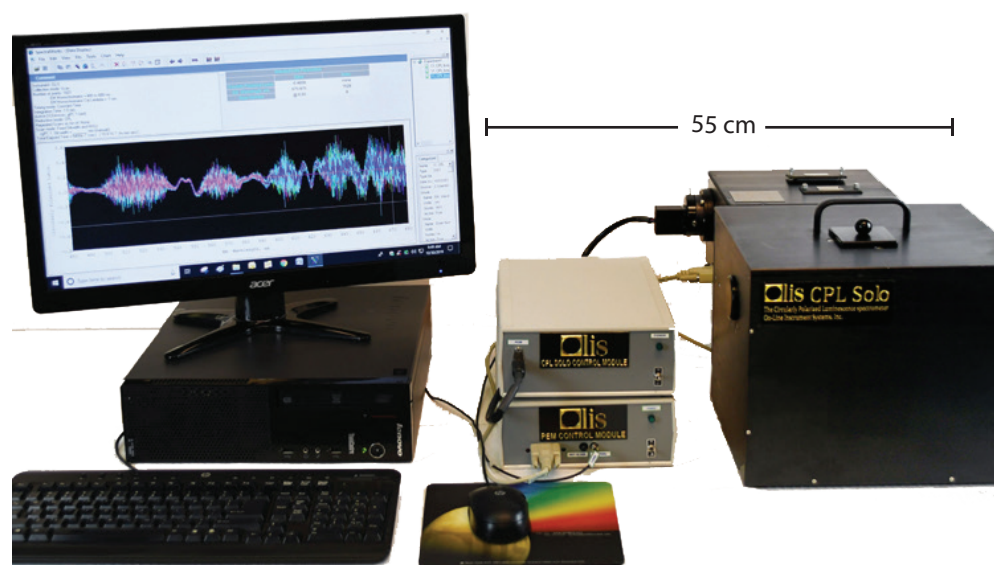


OLIS CPL SOLO

Small, Affordable, and fully Digital Circularly Polarized Luminescence

Achieve highest sensitivity CPL and polarization of fluorescence in a small and affordable package. This compact and modular CPL is a fraction the price and size of the competitors' products while providing the same or superior sensitivity, ease of use, and reliability. A high intensity, high stability LED provides wavelength specific excitation (polarized or unpolarized, as you choose). Emission scanning is through a single grating monochromator with an exquisitely sensitive photon counting detector or InGaAs detector. Data acquisition is direct collection of Lum(L) and Lum(R), with no need for an analog lock-in amplifier. Each of the four models is easily and affordably enhanced for collection of Phosphorescence Lifetime.



Standard Acquisition Modes:
Circularly Polarized Luminescence
Fluorescence
Polarization of Fluorescence

Enhancements Supported:
 Polarized Excitation
 Phosphorescence Lifetime
 Peltier Thermal cell holder
 Thin Film Holder

OLIS CPL SOLO SPECIFICATIONS

Wavelength Ranges	350-800 for Solo I; 400-1100 nm for Solo II; 800-1700 for Solos III & IV
Spectral Resolution	0.1 nm to 20 nm
Optics	OLIS single grating RFL monochromator with grating matched to desired spectral range
Detector	Photon counting where applicable (350-800 nm and 800-1700 nm); InGaAs as needed
Light Source	Excitation specific filtered LEDs. Three LEDs are provided in purchase price; additional ones can be purchased and exchanged without tools or alignment. One or two can be mounted for immediate sequential or concurrent operation, with two matched LEDs recommended for highest sensitivity in the UV.
Modulator	Hinds PEM for UV/Vis; Liquid Crystal for NIR
Calibration	Factory set and permanent
Lock-in Amplifier	None required or used