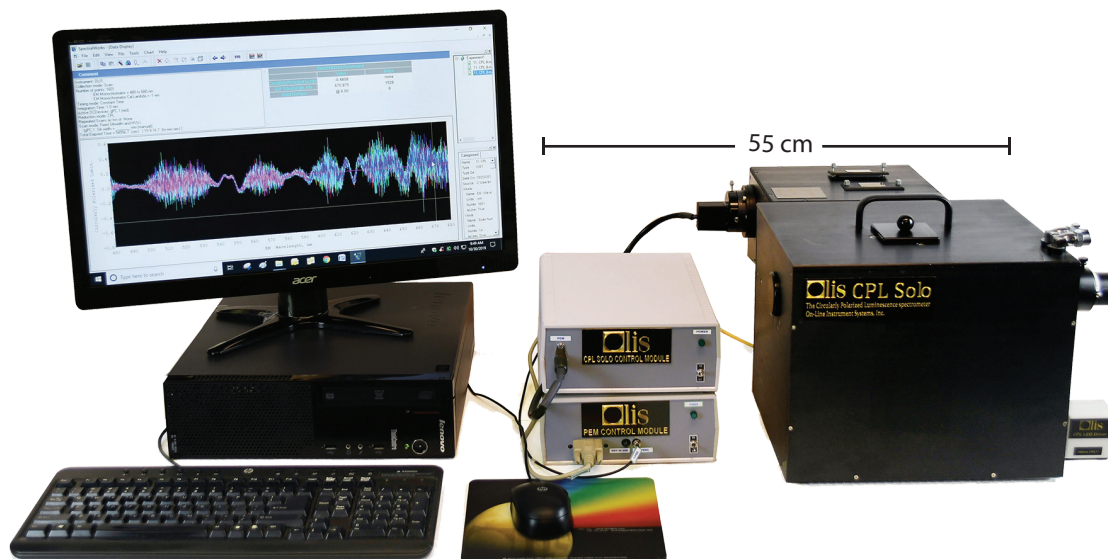


OLIS CPL SOLO

Small, Affordable, and fully Digital Circularly Polarized Luminescence

Designed on first-principle for highest sensitivity CPL and polarization of fluorescence, this model is $\frac{1}{3}$ the price and $\frac{1}{4}$ the size of the competitors' products, and yet has excellent sensitivity and stability. Maximum excitation is achieved with brilliant and stable filtered LED sources; maximum emission sensitivity is achieved using a high throughput monochromator and gated photon counting detector. All digital performance with factory locked-in calibration, i.e., no need for a lock-in amplifier, no need for G-factor corrections.

Two models, one for UV/Vis and a second for NIR. The UV/Vis model can be enhanced to measure phosphorescence lifetime and thus CPP. Polarized and unpolarized excitation possible with all configurations.



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	230-870 nm for UV/Vis model; 700-1700 nm for NIR model
Spectral Resolution	0.1 nm to 20 nm
Optics	OLIS single grating RFL monochromator with grating matched to desired spectral range
Detector	Photon counting detector for UV/Vis; InGaAs(s) for NIR
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