

## UV Spectrometer System w/ Right Angle Diffuser



Stock #72-537 CLEARANCE **1 In Stock**

C\$9,408<sup>00</sup>

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### Product Downloads

#### General

Symmetrical Czerny-Turner **Type:**

0.2 ms-1 min **Integration Time:**

16 bits, 2.5 MHz **Digitizer:**

NIST Traceable/ ISO17025 Accredited **NIST Certification:**

#### Physical & Mechanical Properties

**Slit Width (µm):**

50

**Dimensions (mm):**

35.4 x 86 x 110

**Optical Properties**

**Spectral Resolution (nm):**

0.9

**Stray Light (%):**

<0.2%

**Wavelength Range (nm):**

180 - 500

**Focal Length FL (mm):**

60.00

**Sensor**

**Type of Sensor:**

CMOS Linear Sensor

**Dynamic Range:**

3450

**Electrical**

**Signal to Noise S/N Ratio:**

+/- 0.21

**Hardware & Interface Connectivity**

**Computer Interface:**

USB 2.0 UART

**Power Requirement:**

300mA@5VDC

**Environmental & Durability Factors**

**Operating Temperature (°C):**

0 to 50

**Storage Temperature (°C):**

-30 to +70

**Regulatory Compliance**

**Certificate of Conformance:**

[View](#)

## Product Details

- Available in Three Different Wavelength Options 180 - 500nm, 180 - 850nm, or 180 - 1100nm
- Measures Amplitude, Wavelength, Spectral Irradiance, and Power
- Extensive Software Included

International Light Technologies Spectrometers are compact mini spectrometers that measure both the wavelength and amplitude of the targeted light as well as other calibrated measurements. These instruments offer exceptional wavelength accuracy and resolution allowing for use in various sensitivity applications. SpectriLight III software is included with each product, which is a LabView based software for windows that enables seamless spectra collection and analysis. International Light Technologies Spectrometers are available in three wavelength models, UV, UV - VIS, and Broadband each with an included right-angle diffuser. These spectrometers are ideal for applications such as UV Curing Characterization, Plant Photobiology, Fluorescence, Radiometry, and Photometry.