

Flexible Wavelength Selector Poly

The Flexible Wavelength Selector is a unique wavelength selection device that employs TwinFilm™ technology to deliver the tunability and adjustable bandwidth of a grating monochromator, together with the imaging advantages of a circular aperture filter. FWS Poly models feature complete software control of wavelength and bandwidth via a USB link and simple software interface.

/ Key product Advantages

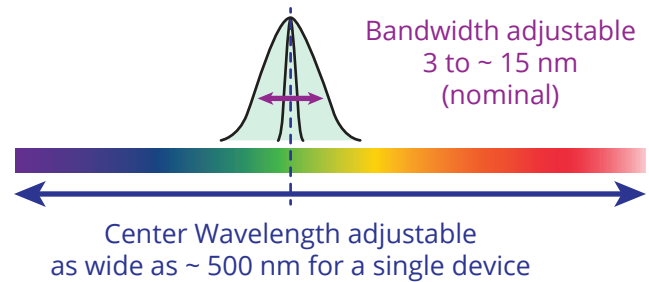
- > **Adjustable center wavelength**
 - can be tuned or set as wide as ~500 nm.
- > **Adjustable bandwidth**
 - from 3 nm to 15 nm (nominal)
- > **Circular uniform aperture**
 - up to 10 mm

/ Optical Specifications

Transmission efficiency (nominal): greater than 75 - 85%
 Wavelength and FWHM accuracy (nominal): ± 0.5 nm
 Wavelength resolution: 0.2 nm
 FWHM resolution: 1 nm
 Extinction coefficient: $OD_{avg} \sim 12$ (275 nm - 925 nm)
 Minimum bandwidth (nominal)
 @ 358 - 785 nm: 3 nm
 @ 786 - 900 nm: 4 nm
 Maximum bandwidth (nominal)
 @ 358 - 535 nm: 15 - 16 nm
 @ 536 - 695 nm: 13 - 14 nm
 @ 696 - 900 nm: 10 - 12 nm
 Wavelength switching speed (nominal): 70 - 800 ms
 IR blocking range: OD 6 @ 930 - 1600 nm

/ General Specifications

Dimensions: 170 x 129 x 200 mm
 Aperture Size: 10 mm
 Input Power: 12 V, 5A
 Data Interface: USB 2.0



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Spectral Range ¹	Item Number
358 - 487 nm	FWS-Poly-UV
358 - 628 nm	FWS-Poly-UV-Plus
447 - 628 nm	FWS-Poly-VIS
432 - 900 nm	FWS-Poly-VIS-Plus
555 - 900 nm	FWS-Poly-IR
Custom range	FWS-Poly-SP

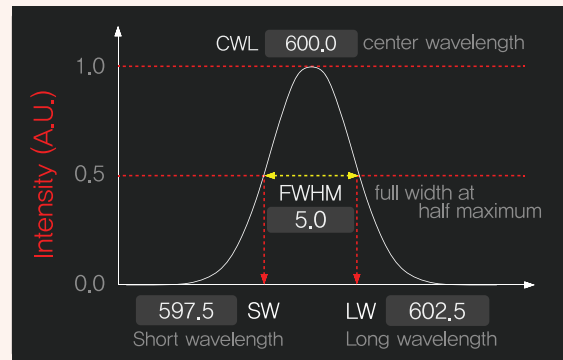
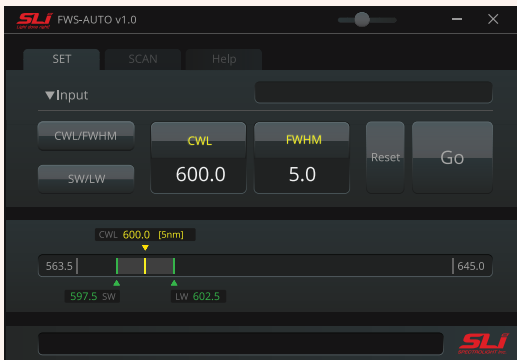
¹ based on maximum bandwidth (nominal)

All specifications are subject to change without prior notice

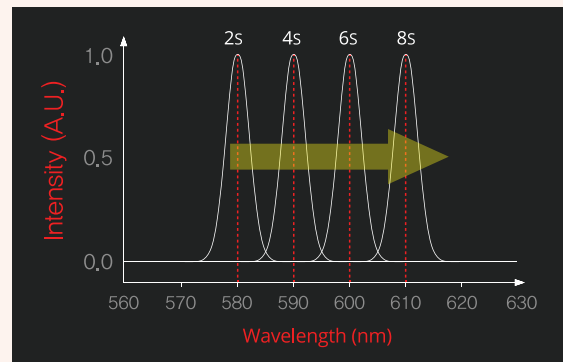
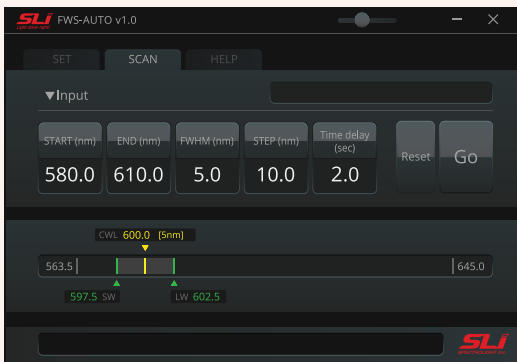
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/ Software features

SET



SCAN



/ Application

