

Flexible Wavelength Selector Poly Laser Version

The Flexible Wavelength Selector is a unique tunable filter 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. The laser version is compatible with beam size of up to 3 mm.

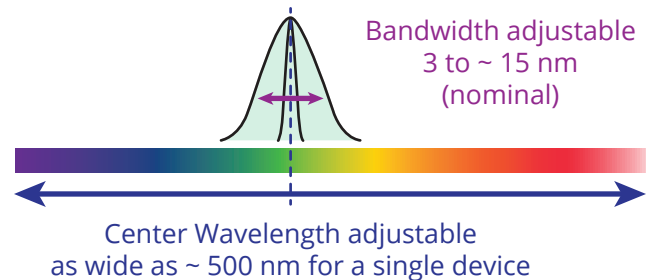
/ Key product Advantages

- > **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 3 mm



/ Optical Specifications

Transmission efficiency: 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
@ 785 - 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
Input Power: 12 V, 4A
Data Interface: USB 2.0

Flexible Wavelength Selector Poly


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

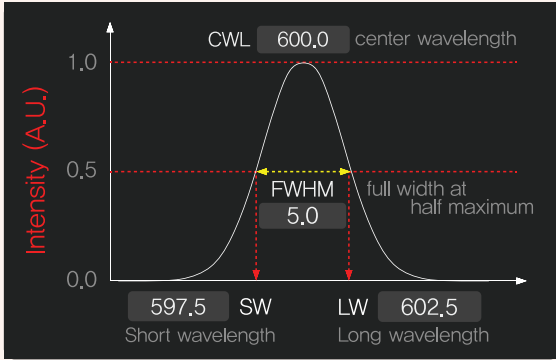
¹ based on maximum bandwidth (nominal)

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/ Software features

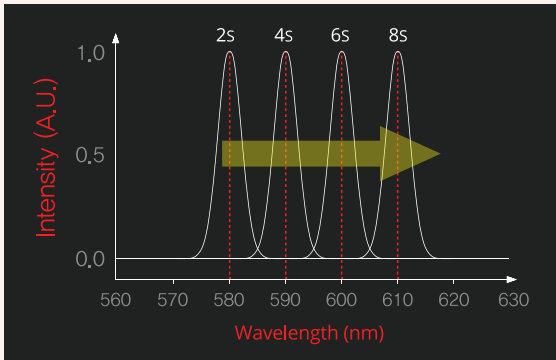
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/ Application

