

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.

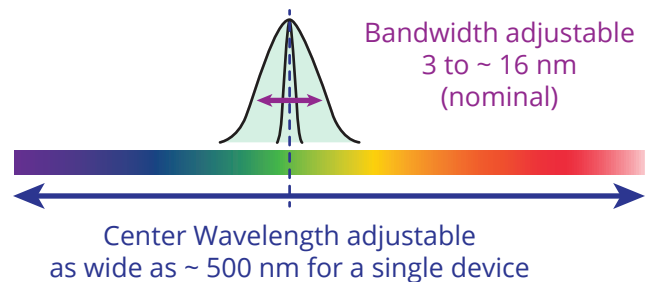
/ Key product Advantages

- > **Adjustable center wavelength**
 - can be tuned or set as wide as ~500 nm.
- > **Adjustable bandwidth**
 - from 3 nm to 16 nm (nominal)
- > **Circular uniform aperture**
 - up to 3 mm



/ Optical Specifications

- Transmission efficiency: > 75%
- Wavelength accuracy (nominal): ± 0.5 nm
- FWHM accuracy (nominal): ± 0.5 nm
- Extinction coefficient: $OD_{avg} > 6$ (275 nm – 925 nm)
- Minimum bandwidth @ 358 - 785 nm: 3 nm
@ 785 - 900 nm: 4 nm
- Maximum bandwidth: 10 - 16 nm (nominal)
- Minimum step size of center wavelength: 0.2 nm
- Minimum step size of bandwidth: 1 nm
- Wavelength switching speed (nominal) : 70 - 800 ms
- IR blocking range: OD 6 @ 930 - 1100 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 bandwidth¹

Flexible Wavelength Selector Poly Laser Version

/ Software features

SET

SCAN

/ Application

