

# Flexible Wavelength Selector – Auto Poly (FWS-Poly)

FWS-Poly features complete software control of wavelength and bandwidth via a USB link and simple software interface.



## Optical Specifications

- Transmission: > 75 %
- Tunable spectral wavelength : 255 - 1650 nm
- Center wavelength accuracy : See table below
- Tunable FWHM range :
  - 255 - 890 nm : 3 - 15 nm
  - 880 - 1500 nm : 5 - 15 nm
  - 1475 - 1650 nm : 7 - 13 nm
- FWHM resolution : 1 nm
- Out-of-band blocking : OD 6 (0.0001 % transmission)



## General Specifications

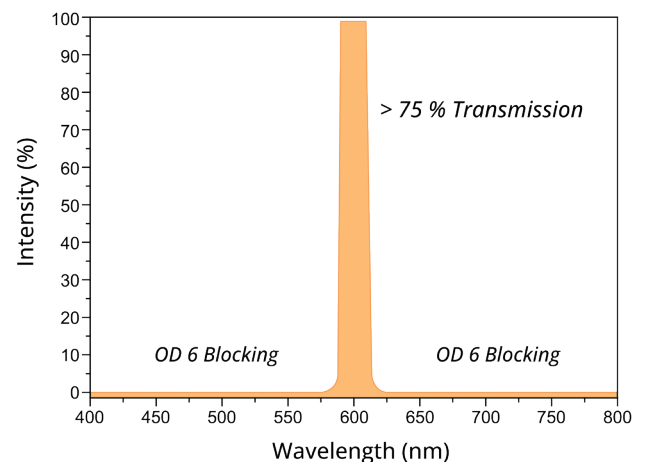
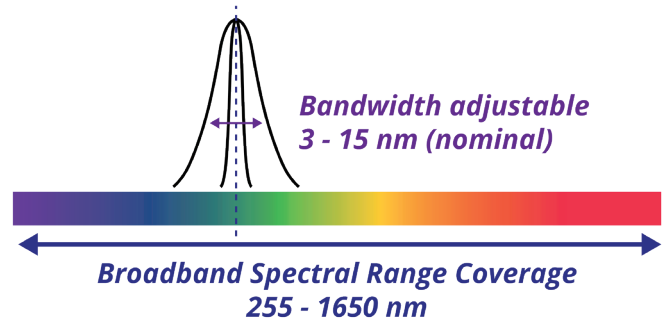
- Dimensions : 170 x 129 x 200 mm
- Aperture size : 5 mm
- Input power : AC 12 V, 5 A
- Electric requirement : AC 100 - 240 V, 50/60 Hz
- Data interface : USB

Item Number	Spectral Range	C.W.A
FWS-Poly-SC	385 - 1015 nm	0.5 nm
FWS-Poly-UV	255 - 400 nm	0.5 nm
FWS-Poly-VIS	350 - 890 nm	0.5 nm
FWS-Poly-NIR	615 - 1015 nm	0.5 nm
FWS-Poly-SWIR	1005 - 1650 nm	1 nm
FWS-Poly-IR Plus	615 - 1650 nm	1 nm
FWS-Poly-Custom	Custom range	0.5 / 1 nm

\*Note : For the optimal performance of Wavelength Selectors, the incident light should be collimated.

\*Note : FWS-Poly-UV can block up to 600 nm.

\*C.W.A = Center Wavelength Accuracy



# Flexible Wavelength Selector – Auto Poly (FWS-Poly-EXTD)

FWS-Poly-EXTD features complete software control of wavelength and bandwidth via a USB link and simple software interface. With an extended aperture size, the FWS-Poly-EXTD can provide optimal results when applied with light sources with limited collimation.

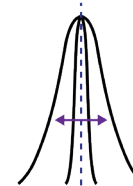


## Optical Specifications

- Transmission: > 75 %
- Tunable spectral wavelength : 255 - 1650 nm
- Center wavelength accuracy : See table below
- Tunable FWHM range :
  - 255 - 890 nm : 3 - 15 nm
  - 880 - 1500 nm : 5 - 15 nm
  - 1475 - 1650 nm : 7 - 13 nm
- FWHM resolution : 1 nm
- Out-of-band blocking : OD 6 (0.0001 % transmission)

## General Specifications

- Dimensions : 170 x 129 x 200 mm
- Aperture size : 10 mm
- Input power : AC 12 V, 5 A
- Electric requirement : AC 100 - 240 V, 50/60 Hz
- Data interface : USB



Bandwidth adjustable  
3 - 15 nm (nominal)



Broadband Spectral Range Coverage  
255 - 1650 nm

Item Number	Spectral Range	C.W.A
FWS-Poly-UV-EXTD	255 - 400 nm	0.5 nm
FWS-Poly-VIS-EXTD	350 - 890 nm	0.5 nm
FWS-Poly-NIR-EXTD	615 - 1015 nm	0.5 nm
FWS-Poly-SWIR-EXTD	1005 - 1650 nm	1 nm
FWS-Poly-IR Plus-EXTD	615 - 1650 nm	1 nm

\*Note : For the optimal performance of Wavelength Selectors, the incident light should be collimated.

\*Note : FWS-Poly-UV can block up to 600 nm.

\*C.W.A = Center Wavelength Accuracy

