

Flexible Wavelength Selector – Poly-BLUE



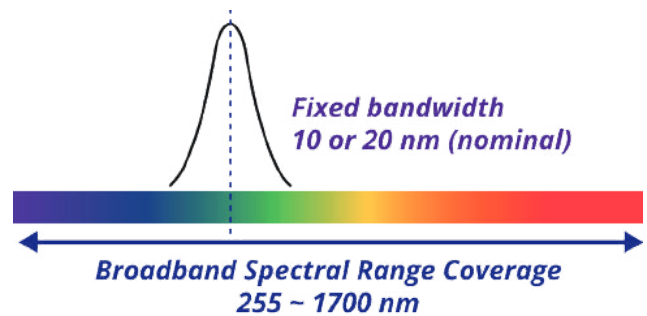
Model name	Spectral range (nm)
Poly-BLUE-UV	280 - 390
Poly-BLUE-VIS	430 - 790
Poly-BLUE-IR	775 - 1150
Poly-BLUE-SWIR	1140 - 1700
Poly-BLUE-Custom	Custom range



* Center Wavelength tuning range can vary by a few nanometers depending on the product.

* Minimum step size of center wavelength : 1 nm

* Bandwidth (FWHM) Fixed : 10 or 20 nm (nominal)



	FWHM		10 or 20 (nominal)																
	CWL		255 - 290	280 - 310	310 - 350	348 - 390	385 - 435	430 - 490	485 - 550	545 - 620	615 - 700	690 - 790	775 - 890	880 - 1015	1000 - 1150	1140 - 1310	1300 - 1500	1475 - 1700	
Poly-BLUE-UV				●	●	●													
Poly-BLUE-VIS							●	●	●	●	●								
Poly-BLUE-IR												●	●	●					
Poly-BLUE-SWIR															●	●	●		
Poly-BLUE-Custom							Up to 9 in one device												

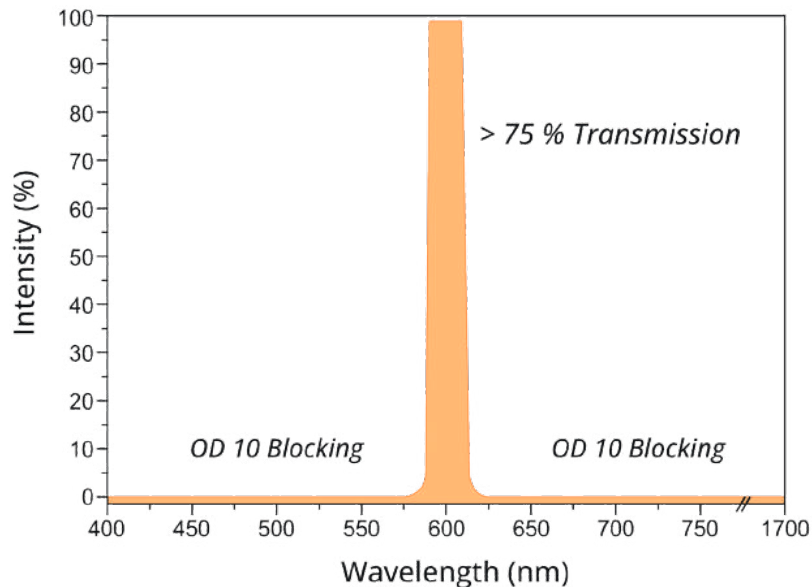
Aperture size

Poly-BLUE-A5	5 mm	Suitable for supercontinuum lasers
Poly-BLUE-A10	10 mm	Suitable for light sources with large beam size (tungsten-halogen, plasma, LED)

* For optimal performance input light source must be collimated

Full Specifications

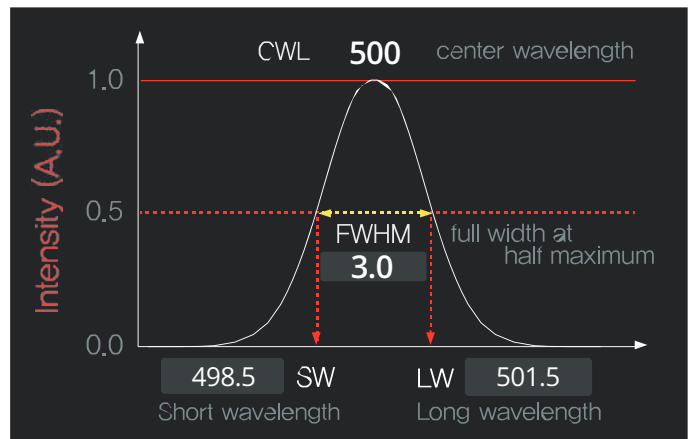
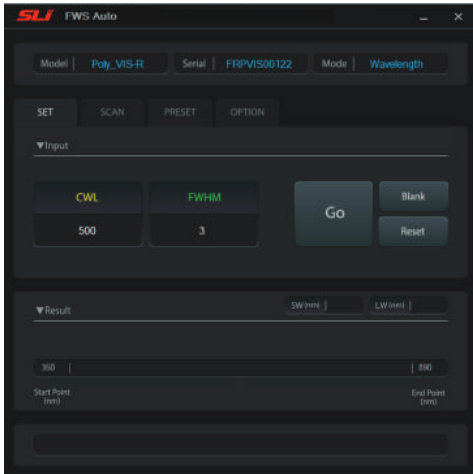
	Poly-BLUE-A5	Poly-BLUE-A10
Spectral range (nm)	255-1700	255-1700
Bandwidth (FWHM) (nm)	10 or 20 (fixed)	10 or 20 (fixed)
Aperture size (mm)	5	10
Out of band Blocking	OD 5 in tuning range, OD 10 in spectral range up to 1700 nm	
Step size of center wavelength (nm)	1.0	
Step size of bandwidth (FWHM) (nm)	1.0	
Wavelength accuracy (nm) : CWL, FWHM	< 1 nm	
Damage threshold	Peak Fluence < 1.75 Joules/cm ² (~70 μm spot diam., 10 ns pulse, 10 Hz repetition rate, 532 nm LASER) CW (Continuous wave) Intensity < 2 MW/cm ² (1064 nm, ~ 90 μm spot diam.)	
Transmission efficiency (%)	≥ 75 % (in proportion to the input light power / FWHM > 10 nm)	
Scanning speed (ms)	20 - 200 ms (depending on step size)	
Software	FWS-Auto ver 4.1	
Dimension (L x W x H, mm)	136.7 x 124 x 214	
Input power	AC 12 V, 5 A	
Electric requirement	AC 100 - 240 V, 50/60 Hz	
Data interface	USB 2.0	
Weight (kg)	3.15	



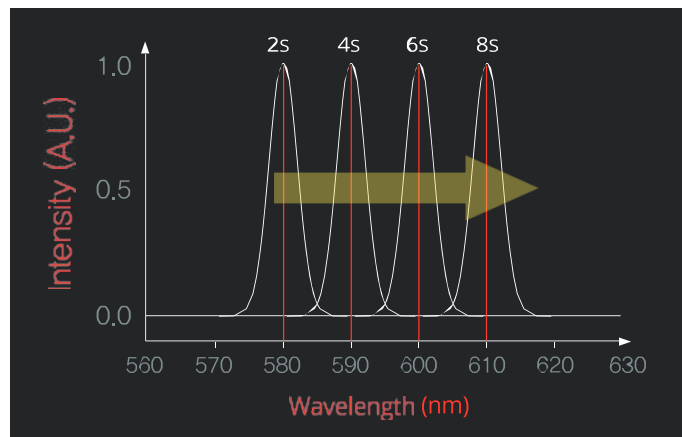
Poly, Mono Software

Software Control

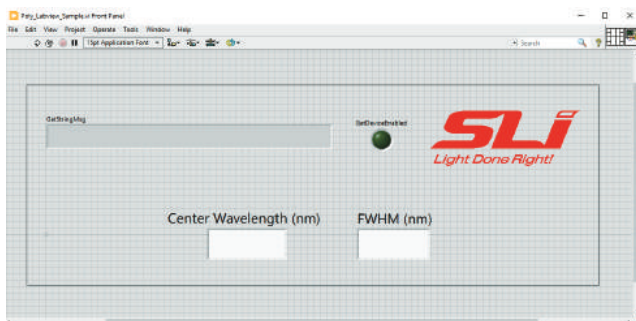
Set



Scan



Software Compatibility



- Applying SDK of FWS to a Labview software (uploaded on the website)
- Compatible with various softwares (LabVIEW, Python, MATLAB)