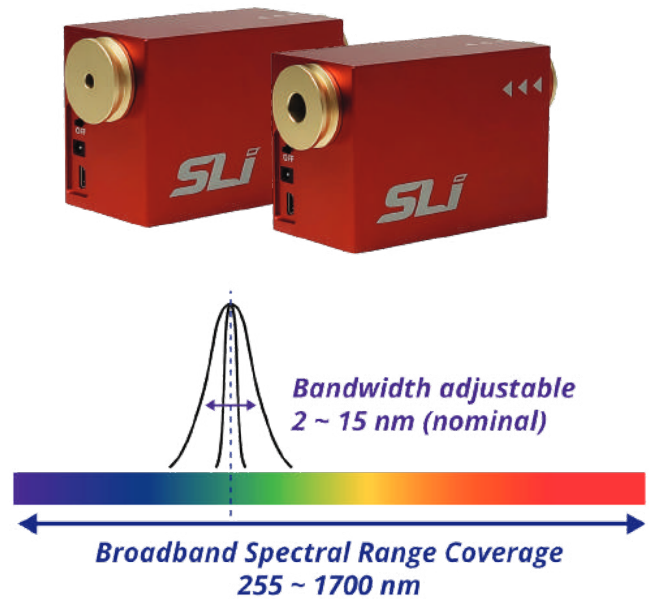


Flexible Wavelength Selector – Mono

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



Model	CWL (nm)	FWHM (nm)
Mono-F00	255 - 290	2 - 15
Mono-F01	280 - 310	2 - 15
Mono-F02	310 - 350	2 - 15
Mono-F03	348 - 390	2 - 15
Mono-F04	385 - 435	2 - 15
Mono-F05	430 - 490	2 - 15
Mono-F06	485 - 550	2 - 15
Mono-F07	545 - 620	2 - 15
Mono-F08	615 - 700	2 - 15
Mono-F09	690 - 790	3 - 15
Mono-F10	775 - 890	3 - 15
Mono-F11	880 - 1015	5 - 15
Mono-F12	1000 - 1150	5 - 15
Mono-F13	1140 - 1310	5 - 15
Mono-F14	1300 - 1500	5 - 15
Mono-F15	1475 - 1700	7 - 13



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

* Minimum step size of center wavelength : 1 nm

* Step size of bandwidth (FWHM) : 1 nm

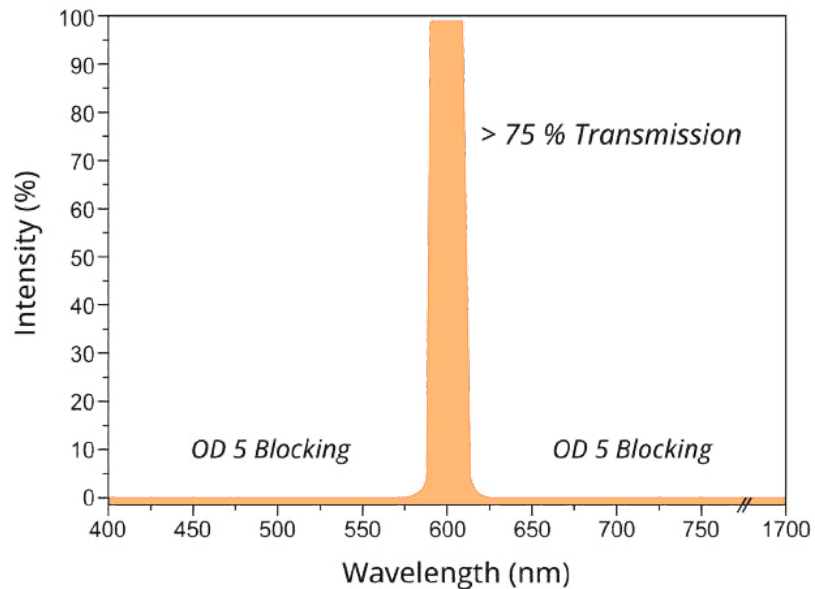
Aperture size

Mono-A5	5 mm	Suitable for supercontinuum lasers
Mono-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

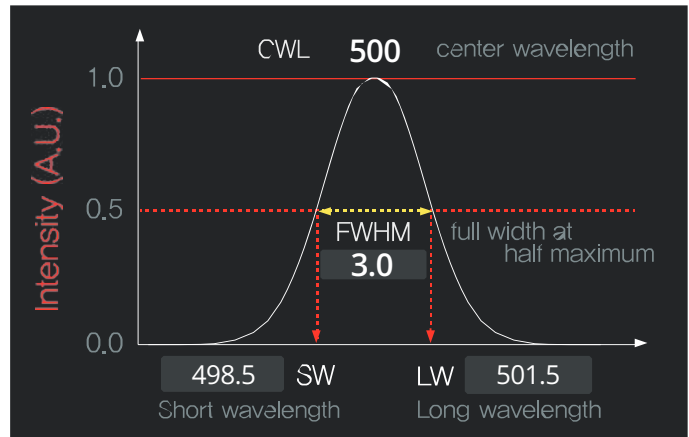
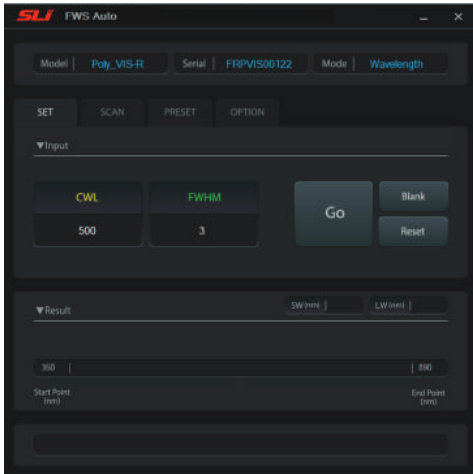
	Mono-A5	Mono-A10
Spectral range (nm)	255 - 1700	255 - 1700
Bandwidth (FWHM) (nm)	2 - 15 (nominal)	2 - 15 (nominal)
Aperture size (mm)	5	10
Out of band blocking	OD 10 in tuning range, OD 5 in spectral range up to 1700 nm	
Step size of center wavelength (nm)	1.0	
Step size of bandwidth (FWHM) (nm)	1.0	
Wavelength accuracy (nm) : CWL, FWHM	< 1 nm	
Damage threshold	Peak Fluence < 1.75 Joules/cm ² (~70 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 version	FWS-Auto ver 3.1	
Dimension (L x W x H, mm)	48 x 92 x 64	
Input power	AC 12 V, 5 A	
Electrical requirement	AC 100 - 240 V, 50/60 Hz	
Data interface	USB 2.0	
Weight (kg)	0.4	



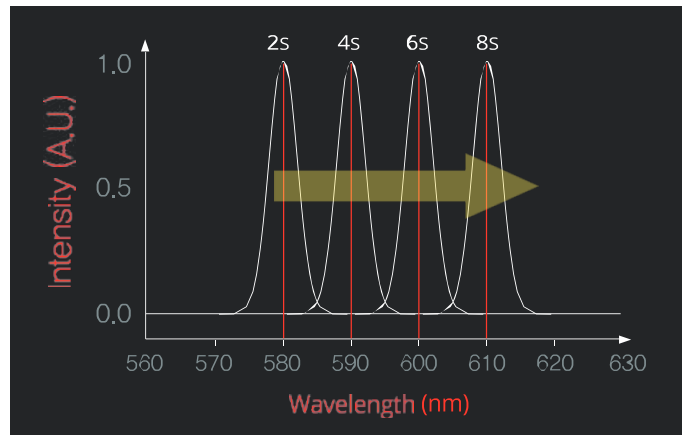
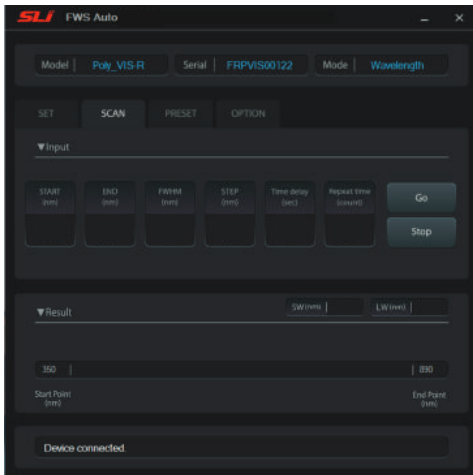
Poly, Mono Software

Software Control

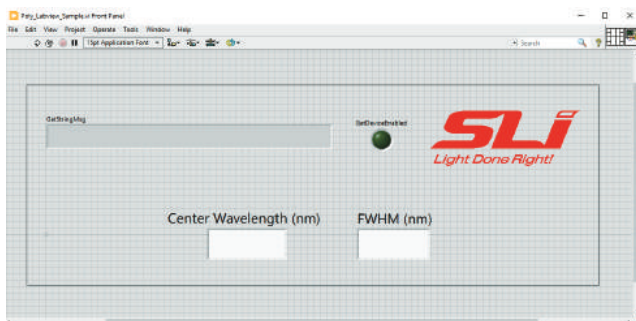
Set



Scan



Software Compatibility



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