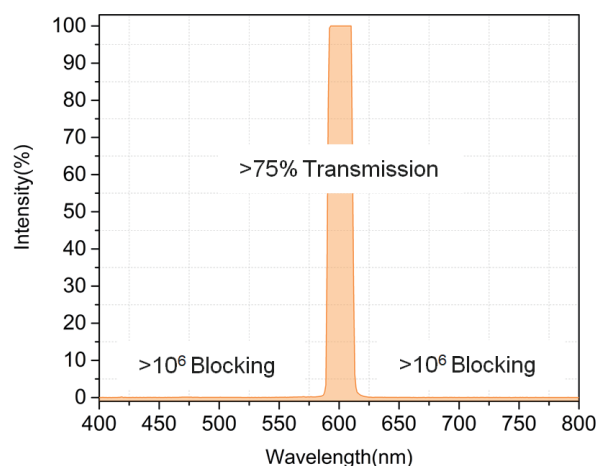


| Model name      | Spectral range (nm) |
|-----------------|---------------------|
| Poly-RED-UV     | 280 - 390           |
| Poly-RED-VIS    | 430 - 790           |
| Poly-RED-IR     | 775 - 1150          |
| Poly-RED-SWIR   | 1140 - 1700         |
| Poly-RED-Custom | Custom range        |



| Spectral range (nm) | Minimum bandwidth (nm) | Maximum bandwidth (nm) |
|---------------------|------------------------|------------------------|
| 255 - 700           | 2                      | 15                     |
| 701 - 890           | 3                      | 15                     |
| 891 - 1500          | 5                      | 15                     |
| 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

|                 | FWHM  | 2 - 15  |           |           |           |           |           |           |                       | 3 - 15    | 5 - 15    |           |            | 7 - 13      |             |             |             |
|-----------------|-------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|-----------|-----------|-----------|------------|-------------|-------------|-------------|-------------|
|                 | 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-RED-UV     |       | ●   | ●         | ●         |           |           |           |           |                       |           |           |           |            |             |             |             |             |
| Poly-RED-VIS    |       |   |           |           |           | ●         | ●         | ●         | ●                     | ●         |           |           |            |             |             |             |             |
| Poly-RED-IR     |       |   |           |           |           |           |           |           |                       |           | ●         | ●         | ●          |             |             |             |             |
| Poly-RED-SWIR   |       |   |           |           |           |           |           |           |                       |           |           |           |            | ●           | ●           | ●           |             |
| Poly-RED-Custom |       |   |           |           |           |           |           |           | Up to 9 in one device |           |           |           |            |             |             |             |             |
| Poly-RED-A5     | 5 mm  | Suitable for supercontinuum lasers  |           |           |           |           |           |           |                       |           |           |           |            |             |             |             |             |
| Poly-RED-A10    | 10 mm | Suitable for light sources with large beam size (tungsten-halogen, plasma, LED) |           |           |           |           |           |           |                       |           |           |           |            |             |             |             |             |

\* For optimal performance input light source must be collimated

|   | <b>Poly-RED-A5</b>  | <b>Poly-RED-A10</b> |
|---|---|---------------------|
| <b>Spectral range (nm)</b>                  | 255-1700  | 255-1700            |
| <b>Bandwidth (FWHM) (nm)</b>                | 2-15 (nominal)  | 2-15 (nominal)      |
| <b>Aperture size (mm)</b>                   | 5   | 10                  |
| <b>Out of band Blocking</b>                 | OD 12 ( $10^{-12}$ ) in tuning range, OD 6 ( $10^{-6}$ ) in spectral range  |                     |
| <b>Step size of center wavelength (nm)</b>  | 1.0   |                     |
| <b>Step size of bandwidth (FWHM) (nm)</b>   | 1.0   |                     |
| <b>Wavelength accuracy (nm) : CWL, FWHM</b> | < 1 nm  |                     |
| <b>Damage threshold</b>                     | Peak Fluence < 1.75 Joules/cm <sup>2</sup> (~70 $\mu$ m spot diam., 10 ns pulse, 10 Hz repetition rate, 532 nm LASER)<br>CW (Continuous wave) Intensity < 2 MW/cm <sup>2</sup> (1064 nm, ~ 90 $\mu$ m spot diam.) |                     |
| <b>Transmission efficiency (%)</b>          | $\geq 75$ % (in proportion to the input light power / FWHM > 10 nm)   |                     |
| <b>Scanning speed (ms)</b>                  | 20 - 200 ms (depending on step size)  |                     |
| <b>Software</b>                             | FWS-Auto ver 4.1  |                     |
| <b>Dimension (L x W x H, mm)</b>            | 186.2 x 124 x 214   |                     |
| <b>Input power</b>                          | AC 12 V, 5 A  |                     |
| <b>Electric requirement</b>                 | AC 100 - 240 V, 50/60 Hz  |                     |
| <b>Data interface</b>                       | USB 2.0   |                     |
| <b>Weight (kg)</b>                          | 4.2   |                     |