

## AvaSpec Pre-configured Fiber-optic Spectrometers (In stock, ready to ship)

For customers with urgent needs and general flexibility in their specifications, Avantes offers a variety of pre-configured spectrometers, which are ready to ship. Four of the instruments are configured for UV-VIS-NIR measurements (200-1100 nm), one for VIS-NIR (360-1100 nm), and one for the visible range (360-880 nm). All configurations are priced at a discount off of list pricing and include an upgrade to AvaSoft-Full.

Of course a USB2-cable and an extensive manual are included. These spectrometers are off the shelf and ready to ship.



### Technical Data

Name	AvaSpec-ULS3648-USB2-UA-25	AvaSpec-ULS2048-USB2-UA-50	AvaSpec-ULS2048L-USB2-UA-RS	AvaSpec-ULS2048-USB2-VA-50	AvaSpec-ULS2048L-USB2-BB-50	AvaSpec-ULS2048XL-USB2-UA-50
Uses	UV/VIS/NIR			VIS/NIR	VIS	UV/VIS/NIR
Range	200-1100 nm			360-1100 nm	360-880 nm	200-1160 nm
Slit/Connector	25 µm SMA-905 connector	50 µm SMA-905 connector	25 µm SMA-905 Replaceable Slit connector	50 µm SMA-905 connector		
Resolution (FWHM)	1.4 nm	2.4 nm	1.4 nm	2.4 nm	1.2 nm	2.4 nm
A/D Converter	16-bit					
Interface	USB 2.0					
Included options	Deep-UV Coating Order-sorting coating	Detector collection lens Deep-UV Coating Order-sorting coating		Detector collection lens Order-sorting coating		
Applications	High-resolution measurements from high intensity sources (lasers, powerful light sources, plasma)	Highly versatile broadband spectrometer. Ideal for absorbance, emission, irradiance measurements		Color measurements, visible irradiance measurements		Highly sensitivity applications such as fluorescence or irradiance from very low intensity sources
AvaSoft-Full	Included					

### Ordering Information

<b>AvaSpec-ULS3648-USB2-UA-25</b>	<ul style="list-style-type: none"> <li>UV/VIS/NIR spectrometer, 3648 pixel CCD detector, grating UA (200-1100 nm), slit-25, OSC-UA, DUV3648, USB2 high-speed interface, including USB interface cable and AvaSoft-Full.</li> </ul>
<b>AvaSpec-ULS2048-USB2-UA-50</b>	<ul style="list-style-type: none"> <li>UV/VIS/NIR spectrometer, 2048 pixel CCD detector, grating UA (200-1100 nm), slit-50, OSC-UA, DCL-UV/VIS, DUV400, USB2 high-speed interface, including USB interface cable and AvaSoft-Full.</li> </ul>
<b>AvaSpec-ULS2048L-USB2-UA-RS</b>	<ul style="list-style-type: none"> <li>UV/VIS/NIR spectrometer, 2048 large pixel CCD detector, grating UA (200-1100 nm), slit-25-RS, OSC, DCL-UV/VIS-200, USB2 high-speed interface, including USB interface cable and AvaSoft-Full, including SLIT-KIT-SMA.</li> </ul>
<b>AvaSpec-ULS2048-USB2-VA-50</b>	<ul style="list-style-type: none"> <li>VIS/NIR spectrometer, 2048 pixel CCD detector, grating VA (360-1100 nm), slit-50, OSC, DCL-UV/VIS, USB2 high-speed interface, including USB interface cable and AvaSoft-Full.</li> </ul>
<b>AvaSpec-ULS2048L-USB2-BB-50</b>	<ul style="list-style-type: none"> <li>VIS spectrometer, 2048 large pixel CCD detector, grating BB (360-880 nm), slit-50, OSC, DCL-UV/VIS-200, USB2 high-speed interface, including USB interface cable and AvaSoft-Full.</li> </ul>
<b>AvaSpec-ULS2048XL-USB2-UA-50</b>	<ul style="list-style-type: none"> <li>UV/VIS/NIR spectrometer, 2048 pixel backthinned CCD detector, grating UA (200-1150 nm), slit-50, OSC-UA, DCL-UV/VIS-200, USB2 high-speed interface, including USB interface cable and AvaSoft-Full.</li> </ul>