Preconfigured Spectrometers (In Stock)

For customers with urgent needs and general flexibility in their specifications, Avantes offers a variety of preconfigured spectrometers. We keep these spectrometers in stock so they are readily available, which makes for a significant decrease in shipping time.

Out of the seven available models, five are configured to be used for measurements in the UV-VIS-NIR range (200 to 1100 nm), one

for the VIS-NIR range (360 to 1100 nm), and one just for the visible range (360 to 880 nm).

Several models are equipped with a replaceable slit (RS). All preconfigured spectrometers are available at discount pricing and include an upgrade to AvaSoft-Full. The full specifications are listed below.

Technical Data

Name	AvaSpec-ULS2048L-USB2-UA-RS	AvaSpec-ULS2048CL-EVO-RS-UA	AvaSpec-ULS2048XL-EVO-RS-UA	AvaSpec-ULS4096CL-EVO-UA-10	AvaSpec-ULS2048CL-EVO-UA-50	AvaSpec-ULS2048CL-EVO-VA-50	AvaSpec-ULS2048CL-EVO-RS-BB
Uses	UV/VIS/NIR					VIS/NIR	VIS
Range	200 - 1100 nm		200 - 1160 nm	200 - 1100 nm		360 - 1100 nm	360 - 880 nm
Slit/Connector	25 µm/SMA-RS			10 µm SMA-905	50 µm/SMA-905		25 µm/SMA-RS
Resolution (FWHM)	1.4 nm			0.5-0.7 nm	2.5 nm		0.7 nm
A/D Convertor	16 bit						
Interface	USB 2.0	USB 3.0/ETH					
Included options	Detector collecting lens, deep-UV coating, order-sorting coating, slit kit SMA	Detector collecting lens, order-sorting coating, slit kit SMA		Detector collecting lens, order sorting coating, slit			Detector collecting lens, order-sorting coating, slit kit SMA
Applications	Absorbance, emission, irradiance measurements		High-sensitivity applications (fluorescence, irradiance from very low intensity sources)	High-resolution measurements from high-intensity sources (lasers, powerful light sources, plasma)	Absorbance, emission, irradiance measurements	Color measurements, visible irradiance measurements	
AvaSoft-Full	Included						

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Ordering Information

AvaSpec-ULS2048L-USB2-UA-RS	Ultra-low stray light fiber optic UV/VIS/NIR spectrometer with replaceable slit, 2048 pixel/14x200 µm CCD detector, grating UA (200-1100 nm), DCL-UV/VIS-200, OSC-UA, DUV, USB2 powered, USB2 high speed interface. Includes AvaSoft-Full and slit kit SMA (slit 25-RS preinstalled; 50, 100 and 200 µm in box).
AvaSpec-ULS2048CL-EVO-RS-UA	Ultra-low stray light fiber optic UV/VIS/NIR spectrometer with replaceable slit, 2048 pixel/14x200 µm CMOS detector, grating UA (200-1100 nm), DCL-UV/VIS-200, OSC-UA, USB3 powered, high speed USB3 and ETH interface. Includes AvaSoft-Full and slit kit SMA (slit 25-RS preinstalled; 50, 100 and 200 µm in box).
AvaSpec-ULS2048XL-EVO-RS-UA	Ultra-low stray light fiber optic UV/VIS/NIR spectrometer with replaceable slit, 2048 pixel/14x500 µm back thinned CCD detector, grating UA (200-1100 nm), DCL-UV/VIS-200, OSC-UA, USB3 powered, high speed USB3 and ETH interface. Includes AvaSoft-Full and slit kit SMA (slit 25-RS preinstalled; 50, 100 and 200 µm in box).
AvaSpec-ULS4069CL-EVO-UA-10	Ultra-low stray light fiber optic UV/VIS/NIR spectrometer, 4069 pixel CMOS detector, slit 10, grating UA (200-1100 nm), OSC-UA, DCL-UV/VIS-200, USB3 powered, high speed USB3 and ETH interface. Includes AvaSoft-Full.
AvaSpec-ULS2048CL-EVO-UA-50	Ultra-low stray light fiber optic UV/VIS/NIR spectrometer, 2048 pixel CMOS detector, grating UA (200-1100 nm), slit 50, OSC-UA, DCL-UV/VIS-200, USB3 powered, high speed USB3 and ETH interface. Includes AvaSoft-Full.
AvaSpec-ULS2048CL-EVO-VA-50	Ultra-low stray light fiber optic VIS/NIR spectrometer, 2048 pixel CMOS detector, grating VA (360-1100 nm), slit 50, OSC, DCL-UV/VIS-200, USB3 powered, high speed USB3 and ETH interface. Includes AvaSoft-Full.
AvaSpec-ULS2048CL-EVO-RS-BB	Ultra-low stray light fiber optic VIS spectrometer, 2048 pixel CMOS detector, grating BB (360-880 nm), OSF-305, OSC, USB3 powered, high speed USB3 and ETH interface. Includes AvaSoft-Full and slit kit SMA (slit 25-RS preinstalled; 50, 100 and 200 µm in box).

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