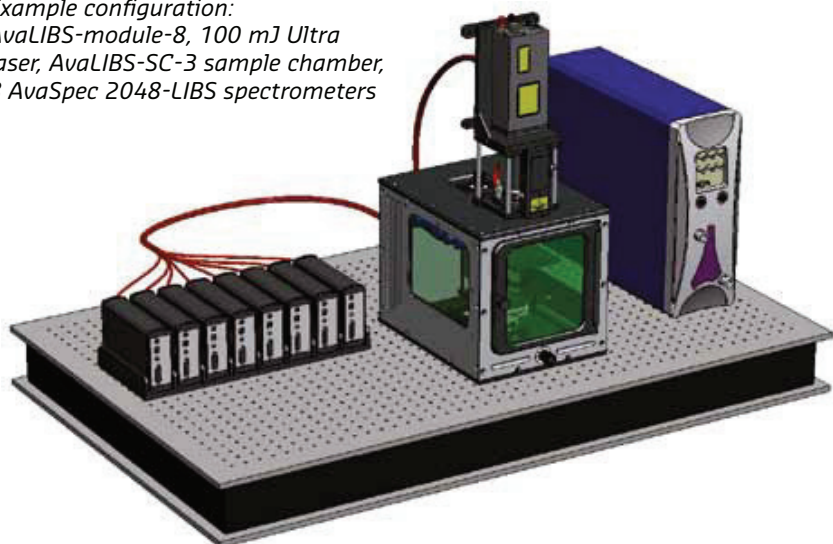


AvaLIBS Modules - an alternative method of configuring a LIBS system

Example configuration:
AvaLIBS-module-8, 100 mJ Ultra laser, AvaLIBS-SC-3 sample chamber, 8 AvaSpec 2048-LIBS spectrometers



For full flexibility, Avantes offers the AvaLIBS modules. You choose the number of AvaSpec spectrometers (up to 8), the number of axis in your sample chamber and the layout. You can even connect your own laser to the system or order one of the high-quality, affordable YAG-lasers that Avantes offers.

In addition to the 50 mJ and 100 mJ lasers described below, the AvaLIBS modules may be used with a variety of other lasers using an available adaptor plate (contact us for further details).

Configuration table

AvaLIBS Module configurations	50 mJ 1-6 channels	100 mJ 1-6 channels	50 mJ 1-8 channels	100 mJ 1-8 channels
AvaLIBS Module	AvaLIBS-module-6		AvaLIBS-module-8	
Laser	YAG-LASER-50	YAG-LASER-100	YAG-LASER-50	YAG-LASER-100
Sample chambers	Fully compatible with AvaLIBS-SC-1, AvaLIBS-SC-2 and AvaLIBS-SC-3 modular sample chambers		Fully compatible with AvaLIBS-SC-1, AvaLIBS-SC-2 and AvaLIBS-SC-3 modular sample chambers	
Fiberoptics	N* x FC-UV200-2		N* x FC-UV200-2	
Spectrometers	Up to 6 spectrometers - as specified by user		Up to 8 spectrometers - as specified by user	
Cable set	IC-LIBS-SET-N*		IC-LIBS-SET-N*	

N* = number of channels

Ordering Information

AvaLIBS-module-6	<ul style="list-style-type: none"> Six-channel LIBS module, including laser beam expander, plasma light collection optics (6 channels), requires a single-core optical fiber cable to connect each channel to a spectrometer (i.e. 6 fibers required for 6 spectrometers)
Adaptor plate for Ultra laser	<ul style="list-style-type: none"> For attaching AvaLIBS modules to Ultra laser head (50 mJ or 100 mJ)
Imaging kit (optional)	<ul style="list-style-type: none"> Miniature CCD colour camera, camera mount, IR blocking filter, plug-in power adaptor, 5.6" LCD colour monitor, USB 2.0 video grabber
Vertical support stand (optional)	<ul style="list-style-type: none"> Adjustable height vertical support stand for AvaLIBS-module-6 and AvaLIBS-module-8
FC-UV200-2	<ul style="list-style-type: none"> Fiber Cable, UV/VIS, 2 m, SMA terminated (6 or 8 pcs needed)
AvaLIBS-module-8	<ul style="list-style-type: none"> Eight-channel LIBS module, including laser beam expander, plasma light collection optics (6 channels), requires a single-core optical fiber cable to connect each channel to a spectrometer (i.e. 8 fibers required for 8 spectrometers)
AvaSpec-ULS2048-LIBS	<ul style="list-style-type: none"> AvaLIBS Spectrometer channel, Avaspec-ULS2048-USB2, 2048 CCD detector. Specify grating, wavelength range and options. AvaSoft-Full and Ava-LIBS included.