

# AvaSpec Dual-Channel Fiber-optic Spectrometer

Sometimes a single channel spectrometer is not enough, for example when you want higher resolution or to do two redundant measurements at the same time. The AvaSpec dual channel spectrometers are designed specifically for this purpose. Each spectrometer can be configured independently. It is also possible to have different detector types in each channel.

Please contact one of our application specialists to configure the perfect solution for your application.

## AvaSpec-ULS3648-2-USB2



Pembroke Instruments, LLC  
120 Stanford Heights Avenue  
San Francisco, CA 94127 USA  
Tel. 415-860-4217  
[www.pembrokeinstruments.com](http://www.pembrokeinstruments.com)  
[sales@pembrokeinstruments.com](mailto:sales@pembrokeinstruments.com)

## Technical Data

### Connections

2 x USB2.0  
2 x DB26 (DIO/RS232)  
2 x SMB (synch)  
2 x power connector

### Dimensions, weight

175 x 165 x 85 mm, 1800 grams

## Ordering Information

### AvaSpec-DDDD-2-USB2

- Dual-channel AvaSpec-USB2 Fiber-optic Spectrometer with 2 channels with the same detector in one housing, including synchronization cable.  
For both channels specify Detector type DDDD (128/ULS2048/ULS3648/ULS2048L/2048XL), grating, wavelength range and options.

### AvaSpec-MMMM/SSSS-2-USB2

- Dual-channel AvaSpec-USB2 Fiber-optic Spectrometer with 2 channels with different detectors in one housing, including synchronization cable.  
For both channels specify Detector type MMMM and SSSS (128/ULS2048/ULS3648/ULS2048L/ULS2048XL), grating, wavelength range and options.

Pre-configured  
spectrometers can be shipped  
within 24 hours

# AvaSpec Multi-Channel Spectrometer



Do you need more precise measurements over a broad range? Or multiple measurements at the same moment for process control? AvaSpec multi-channel spectrometers fulfill your every need. You can select from our range of spectrometer detectors, choose different slits or gratings: anything is possible.

Two enclosure options are available: the 9" desktop housing for up to 4 channels and the 19" rack-mountable which holds a maximum of 10 spectrometers. All channels are connected to the computer through one single USB 2.0-cable.

## Benefits:

- Combine up to 10 channels in one enclosure
- Any channel fully configurable to your needs
- Different integration times and averaging settings for each channel
- Ideal for process control

## Technical Data

Housing	Desktop	Rack-mount
Max nr. Channels	4	10 (UV/VIS)
Dimensions	315 x 235 x 135 mm	315 x 445 x 135 mm

## Ordering Information

<b>AVS-DESKTOP-USB2</b>	<ul style="list-style-type: none"> <li>• Desktop for USB2 platform multichannel AvaSpec, incl. channel synchronization, USB2-hub and 100-240VAC power supply, supports max. 4 Rack-mount spectrometer units.</li> </ul>
<b>AVS-RACKMOUNT-USB2</b>	<ul style="list-style-type: none"> <li>• 19" Rack-mount for USB2 platform multichannel AvaSpec, incl. channel synchronization, USB2-hub and 100-240VAC power supply, supports max. 10 Rack-mount spectrometer units.</li> </ul>
<b>AvaSpec-DDDD-USB2-RM</b>	<ul style="list-style-type: none"> <li>• Rack-mount Unit USB2 Fiber-optic Spectrometer, self powered high-speed USB2 interface, incl. AvaSoft-Basic software, USB cable and sync cable, specify detector type DDDD (128/ULS2048/ULS3648/ULS2048L/ULS2048XL/NIR256/512), grating, wavelength range and options. Desktop/Rack-mount needs to be ordered separately</li> </ul>

Synchronize all channels  
easily with  
internal sync cables