

AvaTripod

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The AvaTripod is a flexible and versatile accessory, which is useable in various applications.

The top of the tripod has an attachment head which features two holes; one measuring 6.8 mm in diameter to hold the barrel of a cosine corrector (CC-UV/VIS) or a reflection probe and a setscrew to hold the probe or cosine corrector in place.

The second hole is a 3/8"-24 threaded hole for a COL-UV/VIS collimating lens.

The head can be fixed at any position, at any angle with an adjustable height of 200-300 mm.

Technical Data

Dimensions	250 x 250 x 300 mm Max 75 x 75 x 200 mm (folded)
Threads	1 hole 3/8"-24 for COL-UV/VIS collimating lens 1 hole 6.8 mm diameter with setscrew for FCR probes and cosine correctors
Height adjustment	200-300 mm

Ordering Information

- AvaTripod**
- Tripod with COL-UV/VIS thread and 6.8 mm hole for FCR and CC-UV/VIS

AvaTrigger External Trigger Box

AvaTrigger



We made it smaller and more sensitive... Introducing the new AvaTrigger. Designed for use with any AvaSpec-USB2 spectrometer, it enables two different external triggering methods: optical and manual.

The optical trigger is useful for measuring pulsed light sources, such as solar simulations. Your Avantes spectrometer can start integrating within 1.5 microseconds after receiving the signal from the AvaTrigger. Alternatively, you can specify a delay time if you are interested in measuring spectral output against time (temporal stability). The AvaTrigger has an SMA-905 connector

to easily couple with any accessory or light source from Avantes' extensive line-up.

The sensitivity of the optotrigger can be adjusted by a potentiometer at the front. A green indicator LED on the front panel of the AvaTrigger shows a short pulse when a TTL pulse is sent to your spectrometer.

The IC-DB26-2 interface cable required to connect the AvaTrigger with your Avantes spectrometer is included in the box.

Technical Data

Trigger Input	Opto	Pushbutton
Internal Delay time to TTL output	Ca. 300 ns*	20 µsec
Minimal pulse duration Trigger in	10 µsec	
Power consumption	5 mA @ 5VDC (internal)	
IO connector to AvaSpec	Pin 3 (5VDC), Pin 4 (hardware trigger to AvaSpec), pin 8 (enable trigger), pin 10 GND	
Dimensions	75 x 78 x 37 mm	
Weight	260 g	

*depending on the slew rate of the light source

Ordering Information

- AvaTrigger-USB2**
- External trigger source for all AvaSpec-USB2/EVO spectrometers, incl. IC-DB26-2