In-line Fiber-optic Attenuator

For all UV-VIS-NIR applications and ATT-INL-EXT setups where light intensity has to be reduced, Avantes offers the inline fiber-optic attenuator (ATT-INL-EXT) and the direct attached fiber-optic attenuator (ATTDA). This device is an iris attenuator which controls light throughput to avoid detector saturation. The ATT-INL-EXT is coupled between two SMA terminated fiber-optic cables, whereas the ATT-DA can be connected directly to the light source. Both devices consist of two UV/VIS/NIR collimating lenses mounted on either side of an adjustable iris. The attenuation can be set from 0-100% and can be fixed with a set screw.

ATT-INL-EXT

Technical Data

Wavelength range	200-2500 nm
Attenuation	0-100%
Iris aperture	0.0 – 12.0 mm
Iris construction	2 x 5 leaves
Fiber connection	2 SMA-905 connectors, incl. 2 COL-UV/VIS collimating lenses
Material	Black anodized aluminum
Dimensions	60 x Ø 25 mm

Ordering Information

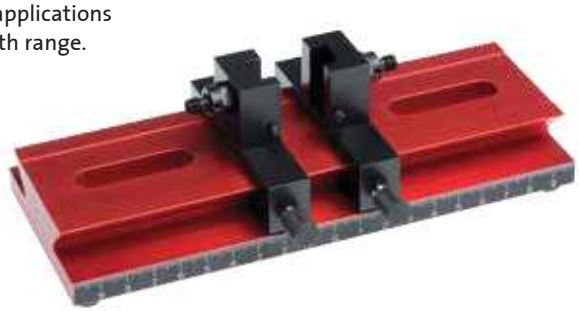
ATT-INL-EXT	• In-line Fiber-optic Attenuator, 0-100%, SMA connectors

Variable Pathlength Cuvette Holder

For low absorption measurements and flow cell cuvettes, the CUV-VAR-UV/VIS cuvette holder is the ideal solution. It features a variable, adjustable path length, ranging from 10-160 mm, ensuring maximum flexibility. It can be used as a standard cuvette holder with a 10 mm path length, as a filter holder with 2 mm path length or any path length up to 160 mm.

This item is equipped with two COL-UV/VIS collimating lenses to support applications in the 200-2500 nm wavelength range.

CUV-VAR-UV/VIS



Technical Data

Base Dimensions (L x W x H)	200 x 80 x 25 mm
Fiber connection	2 x COL-UV/VIS, SMA connectors
Optical path	10-160 mm
Cuvette holder insert	Minimal optical path 10 mm.
Focal height	15 mm from base plate
Overall dimensions (L x W x H)	200 x 96 x 62 mm

Ordering Information

CUV-VAR-UV/VIS	• Cuvette Holder with variable 10-160 mm path, incl. 2 COL-UV/VIS collimating lenses