

## In-line Fiber-optic Attenuators

### ATT-INL-EXT



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.

#### Technical Data

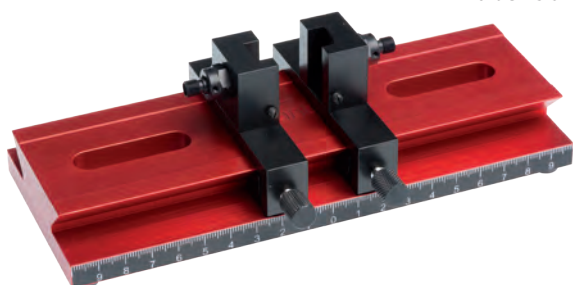
|                          |   |
|--------------------------|---|
| <b>Wavelength range</b>  | 200-2500 nm   |
| <b>Attenuation</b>       | 0-100%  |
| <b>Iris aperture</b>     | 0.0 – 12.0 mm   |
| <b>Iris construction</b> | 2 x 5 leaves  |
| <b>Fiber connection</b>  | 2 SMA-905 connectors, incl. 2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

#### Ordering Information

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

## Variable Pathlength Cuvette Holders

### CUV-VAR-UV/VIS



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.

#### Technical Data

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