CUV Direct-attach Cuvette Holders

To mount a cuvette holder directly to your light source, Avantes offers a range of direct-attached cuvette holders. The CUV-DA connects to the AvaLight-DHc, -XE and -LED light sources, the CUV-DA-DHS to the AvaLight-DHS and AvaLight-DHS-BAL and the CUV-DA-HAL to the AvaLight-HAL. These devices can be used for either absorbance or fluorescence measurements.

All CUV-DA cuvette holders feature two 90-degree and one 180-degree threads that allow the COL-UV/VIS collimating lens to be connected for absorbance or fluorescence setups. Each of CUV-DA

series cuvette holders includes two SiO$_2$ aluminum mirrors to further enhance fluorescence signals. These are mounted at 90 degrees to the excitation source and emission output. The CUV-DA has a 5 mm wide filter slot.

For the AvaLight-HAL and the AvaLight-DHS the direct-attached cuvette holders can be mounted directly on the front panel of the light source by removing the standard filter holder.

CUV-DA

Technical Data

	CUV-DA			CUV-DA-DHS	CUV-DA-HAL-Mini
Lightsource	AvaLight-DHc	AvaLight-LED	AvaLight-XE	AvaLight-DH-S	AvaLight-HAL-Mini
Wavelength range	200-2500 nm				
Cuvette Dimensions	10 x 10 mm (lightpath)				
Light source connection	SMA thread incl col. lens			Mounting plate	UNS-thread (remove COL-UV/VIS)
Fiber connection	1 x COL-UV/VIS, SMA-905 connectors				
Fluorescence mirrors	2 x SiO$_2$ coated aluminum mirrors				
Filter slit	Max. 5 mm wide				n.a.
Dimensions	60 x 43 x 28 mm			60x 50 x 50 mm	60x 35 x 35 mm

Ordering Information

CUV-DA	• Direct-attach 10 mm cuvette holder for AvaLight-DHc/XE/LED, incl. COL-UV/VIS lens and 2 mirrors
CUV-DA-DHS	• Direct-attach 10 mm cuvette holder for AvaLight-D(H)-S, incl. COL-UV/VIS lens and 2 mirrors
CUV-DA-HAL-Mini	• Direct-attach 10 mm cuvette holder for AvaLight-HAL(S)-Mini, incl. COL-UV/VIS lens and 2 mirrors
CUV-FL-MIRROR	• SiO$_2$ coated aluminum mirror
CUV-10-4	• Quartz Cuvette 10 mm, 4 windows, 3.8 ml
CUV-COVER-DA	• Cover for CUV-DA and CUV-DA-HAL-Mini