



Cuvette Holders



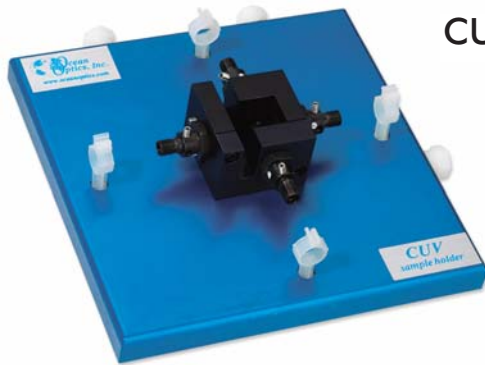
CUV-UV Cuvette Holder

The CUV-UV (200-2000 nm) couples to lamps and spectrometers to create absorbance or transmission measurement systems. Two 74-UV lenses are mounted across a cell holder for square 1-cm cuvettes. The base includes channels for connection to a water bath for temperature regulation. The unit also accepts filters. An optional cover (CUV-COVER) excludes ambient light.



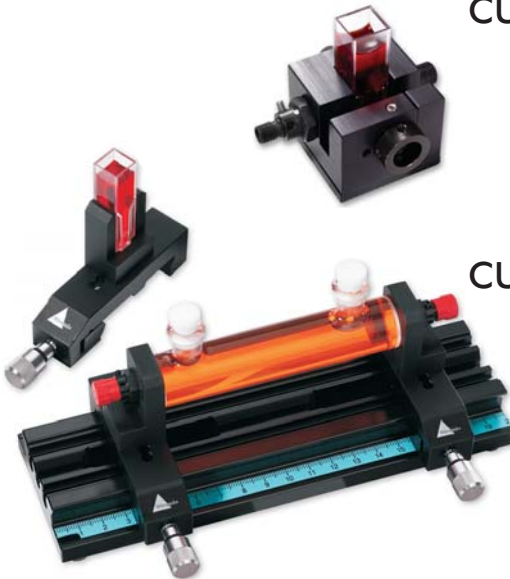
CUV-UV-10 Cuvette Holder

The CUV-UV-10 (200-2000 nm) accepts 10-cm cylindrical or flat-bottomed cuvettes. The CUV-UV-10 has two 74-UV Collimating Lenses that couple to light sources and spectrometers via optical fiber to make absolute absorbance systems for solutions and gases. Included is a shutter, a clamp for filters, water channels for temperature regulation, and a cover to exclude ambient light.



CUV-ALL-UV 4-way Cuvette Holder

The CUV-ALL-UV provides ports for 1-cm cuvettes from four directions. Position two collimators at 180° for absolute absorbance and transmission measurements, position two collimators at 90° for fluorescence or scattering, or use all four for simultaneous absorbance and fluorescence measurements. For fluorescence applications, increase the signal by replacing collimators with 74-MSP Mirror Plugs (see inset), which redirect energy back to the sample or back into a collimating lens.



CUV-FL-DA Direct-attach Cuvette Holder

The CUV-FL-DA attaches to our light sources and couples via fibers to our spectrometers, creating systems for fluorescence and relative absorbance. The holder has a collimating lens and two mirrored screw plugs (74-MSP), which can be positioned per your application. A 6.35-mm slot is included for filters.

CUV-VAR Variable Pathlength Cuvette Holder

The CUV-VAR has three functions: use its cuvette holder insert to create a 1-10 cm pathlength cuvette holder, create a 2-mm pathlength filter holder, or position its two 74-UV collimators to accept a flow cell. The included collimators are screwed into fixtures that slide along the base and can be set to create pathlengths up to 10 cm. Also available is a flow-cell adapter option (CUV-VAR-OPTION) for the CUV-VAR.

Specifications

	CUV-UV	CUV-UV-10	CUV-ALL-UV	CUV-FL-DA	CUV-VAR
Dimensions:	58 mm x 140 mm x 38 mm	97 mm x 248 mm x 50 mm	147 mm x 147 mm x 40 mm	57 mm x 61 mm x 29 mm	200 mm x 67 mm x 70 mm
Weight:	230 g	1,040 g	540 g	80 g	726 g
Pathlength:	1 cm	10 cm	1 cm	1 cm	1 cm up to 10 cm
Filter slot:	Up to 6 mm, screw clamp	Up to 6 mm, wheel clamp	Up to 6 mm, screw clamp	Up to 6 mm, screw clamp	none
Water input fittings:	3.175-mm (1/8") NPT	3.175-mm (1/8") NPT	3.175-mm (1/8") NPT	none	none
Collimating lenses:	2 each 74-UV	2 each 74-UV	4 each 74-UV	2 each 74-UV	2 each 74-UV
Fiber termination:	SMA 905	SMA 905	SMA 905	SMA 905	SMA 905
"Z" dimension:	15 mm	15 mm	15 mm	15 mm	15 mm

