



**More versatile,
flexible and efficient**



Thanks to its two optical path lengths and the innovative internal thread cut directly in the quartz glass cuvette.

EXCLUSIVE FROM HELLMA



// transmission
// fluorescence
// 2 optical path lengths
all in one single cuvette



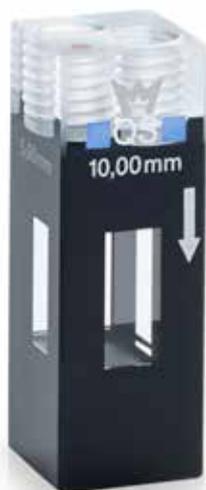
All-quartz flow-through cuvette.

IDEALLY SUITED FOR TABLET DISSOLUTION TESTS (TDA)
AND FLOW-THROUGH SPECTROSCOPIC ANALYSIS

Product description

The all-quartz flow-through cuvette is a high-precision cell for applications in spectroscopy. New technology enables the positioning of precise internal threads into the quartz glass, thus making the aluminum frame typically used unnecessary. Tubes can now be connected very easily and securely directly to the cuvette. Cleaning efficiency and temperature stability are also significantly enhanced. The cell comes with two different optical path lengths that provide meaningful advantages in terms of costs and use. Furthermore, it is possible to measure the fluorescence with each optical path length. Time-consuming switching of cells is no longer necessary – the All-quartz flow-through cell is simply turned by 90° – all tubes remain screwed in place.

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Clear advantages due to the innovative all-quartz design

- // Flexibility in applications, as the cuvette has two path lengths
- // Fluorescence measurement possible for each path length
- // No liquid leakage, monolithic quartz glass construction prevents this by design
- // Stressfree and extremely chemically resistant tanks to 100% quartz glass construction
- // Suitable for high and low temperatures
- // Fully autoclavable
- // Secure tube connection is ensured due to the innovative quartz glass internal threads

Special features for TDA applications:

- // Second path length can be set without time consuming changing of the cuvette respectively no longer screwing and unscrewing of the tubings necessary
- // Red point mark for the quick detection of the path length position



SPECIFICATIONS

ALL-QUARTZ FLOW-THROUGH CUVETTE WITH 2 OPTICAL PATH LENGTHS					
Type	176.760-QS	176.761-QS	176.762-QS	176.765-QS	176.766-QS
Measuring Principal	Absorption and Fluorescence				
Chamber Volume	550 µl	140 µl	50 µl	110 µl	220 µl
Outside Dimensions (H x W x D)	35.0 x 12.5 x 12.5 mm				
Optical Path Length (PL)	5 mm and 10 mm	2.5 mm and 5 mm	1.5 mm and 3 mm	1 mm and 10 mm	2 mm and 10 mm
Aperture (H x W)	PL 5 mm: 11 x 6 mm PL 10 mm: 11 x 5 mm	PL 2.5 mm: 11 x 4 mm PL 5 mm: 11 x 2.5 mm	PL 1.5 mm: 11 x 2.5 mm PL 3 mm: 11 x 1.5 mm	PL 1 mm: 11 x 6 mm PL 10 mm: 11 x 1 mm	PL 2 mm: 11 x 6 mm PL 10 mm: 11 x 2 mm
Center Height (Z)	8.5 mm and 15 mm				
Material	Quartzglass SUPRASIL®				
Delivery Content	All-quartz flow-through cuvette with M6 x 1 screw connectors, FEP tubing set 500 mm long with outer diameter of about 1.9 mm and inner diameter of about 1.1 mm, Instruction manual and storage case				
Article -No. for Z= 8.5 mm	176-760-85-40	176-761-85-40	176-762-85-40	176-765-85-40	176-766-85-40
Article-No. for Z= 15 mm	176-760-15-40	176-761-15-40	176-762-15-40	176-765-15-40	176-766-15-40

If you have any questions please feel free to contact us.

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