

Hellma Absorbance Cuvettes



Absorbance (also includes transmission, T%) is the basis for many of the concentration measurements made on visible and UV visible spectrophotometers. Absorbance measurements are made on the light that passes directly through the sample in the cuvette i.e. it is the light that is transmitted through the sample that we measure, often called a 180-degree light path. Many absorbance/transmission cuvettes have frosted sides to reduce stray-light, with just the opposing windows polished to the required optical clarity.



Absorbance Cuvettes for Static Sampling, 320-2500nm

Cuvettes manufactured from Schott type UK 5 glass, a crown glass made from exceptionally pure raw materials to give an improved performance in the near UV, with a working wavelength down to 320nm and a range up to 2500nm.

Specifications	
Wavelength, nm	320 - 2500
Material	Special optical glass
Finish	Clear
Beam Height	Any
Closure Type	Lid or stopper (PTFE)

Code	Alt Ref	Path Length, mm	Volume, mL	Ext Dims, w x d x h, mm	Closure Type	Pack	Price
CEL2008	104-10-20	10	1.4	12.5 x 12.5 x 45	Lid	Each	£70.00
CEL2120	104-10-K-40	10	1.4	12.5 x 12.5 x 45	Lid	2 (matched pair)	£241.00
CEL2014	110-10-20	10	3.5	12.5 x 12.5 x 45	Stopper	Each	£97.00
CEL2016	100-20-20	20	7	12.5 x 22.5 x 45	Lid	Each	£77.00
CEL2018	100-40-20	40	14	12.5 x 42.5 x 45	Lid	Each	£97.00
CEL2020	100-50-20	50	17.5	12.5 x 52.5 x 45	Lid	Each	£120.00



Absorbance Cuvettes for Static Sampling, 360-2500nm

Cuvettes manufactured from Schott B270 glass in panes with fire polished surfaces, the optical performance is less but cells can be fused with little extra grinding or polishing. The range is limited to 360nm up to 2500nm.

Specifications	
Wavelength, nm	360-2500
Material	Optical glass
Finish	Clear
Beam Height	Any
Closure Type	Lid (PTFE)

Code	Alt Ref	Path Length, mm	Volume, mL	Ext Dims, w x d x h, mm	Price
CEL2002	AS2C-10K0-3M50-L	10	3.5	12.5 x 12.5 x 45	£28.40
CEL2004	AS2C-20K0-7M00-L	20	7.0	12.5 x 22.5 x 45	£45.00
CEL2006	AS2C-40K0-14M0-L	40	14.0	12.5 x 42.5 x 45	£51.70



Absorbance Cuvettes for Static Sampling, 200-2500nm

Cuvettes manufactured from quartz suprasil or quartz glass. This is a synthetic quartz of the highest purity and homogeneity that exhibits excellent chemical resistance and low thermal expansion from 20 to 300°C, while its excellent UV transmission gives it a range down to 200nm and up to 2500nm.

Specifications	
Wavelength, nm	200-2500
Material	Quartz suprasil/glass
Finish	Clear
Beam Height	Any
Closure Type	Lid or stopper (PTFE)