



### 3.2.3 Immersion Probes for Small Volumes

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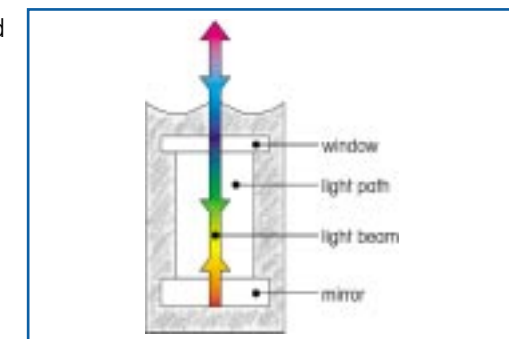
661.610



661.611

These Hellma micro immersion probes have been specifically developed for measurements in small volumes. Due to their slim form, less sample material is required for a measurement to be taken.

The sample flow at the location where the measurement takes place is only minimally modified due to the compact form of the probes. High quality coated mirrors, together with carefully optimised optical geometry, ensure that these probes have outstanding transmission characteristics.



Catalogue Number	661.610-UV	661.611-UV
Window material	Quartz SUPRASIL® 300	Quartz SUPRASIL® 300
Mirror material	Quartz SUPRASIL® with aluminium mirror layer	Quartz SUPRASIL® with aluminium mirror layer
Barrel material	Stainless steel 1.4435 (316 L)	Stainless steel 1.4435 (316 L)
Probe head seal	Epoxy glue	Epoxy glue
Outside Ø	3.2 mm	4 mm
Total length	135 mm	190 mm
Max. immersion depth	85 mm	140 mm
Light path	5 mm, 10 mm	5 mm, 10 mm
Typ. transmission	<b>UV/Vis</b> approx. 20% in air above 300 nm	<b>UV/Vis</b> approx. 30% in air above 300 nm
Max. pressure	6 bar	6 bar
Max. temperature	150 °C	150 °C
Fibre-optic cable	Built-in, not exchangeable <b>UV/Vis – 2 m*</b> 240 nm – 1100 nm (41,667 cm <sup>-1</sup> – 9,100 cm <sup>-1</sup> ) <b>NIR</b> on request <b>UV/Vis – low solarisation</b> on request	Built-in, not exchangeable <b>UV/Vis – 2 m*</b> 240 nm – 1100 nm (41,667 cm <sup>-1</sup> – 9,100 cm <sup>-1</sup> ) <b>NIR</b> on request <b>UV/Vis – low solarisation</b> on request

\*Fibre-optic cables available in various lengths.