

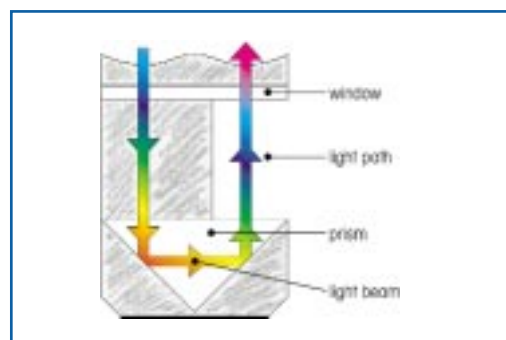


3.2.1 Standard Immersion Probe

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Hellma standard immersion probes are ideally suited to laboratory measurements. As with conventional cell measurements, the collimated light beam passes through the solution only once. The use of a prism with two totally reflective surfaces results in very low values for stray light.

The measuring head is made of SUPRASIL[®] 300 quartz and secured into the stainless steel top section with a Kalrez[®]-O-Ring. The removable metal sleeve protects the immersion probe from damage and reduces the amount of incoming ambient light.



661.000

Catalogue Number	661.000
Probe head material	Quartz SUPRASIL [®] 300
Probe barrel material	Stainless steel 1.4404 (316 L)
Protective sleeve material	Stainless steel 1.4404 (316 L)/1.4571 (316 Ti)
Probe head seal	Kalrez [®] Compound 4079
Protective sleeve seal	Viton [®]
Outside Ø probe head	15 mm
Outside Ø probe shaft	20 mm
Outside Ø probe barrel	18 mm
Outside Ø protective sleeve	20 mm
Total length	approx. 180 mm (10 mm light path)
Max. immersion depth	100 mm (10 mm light path)
Light path	1 mm, 2 mm, 5 mm, 10 mm, 20 mm
Typ. transmission	UV/Vis approx. 40% in air above 300 nm NIR approx. 40% in air above 400 nm
Max. pressure	6 bar
Max. temperature	150 °C
Fibre-optic cables	Not included, available separately for UV/Vis and NIR ranges (see chapter 3.3.1 and 3.3.3).