

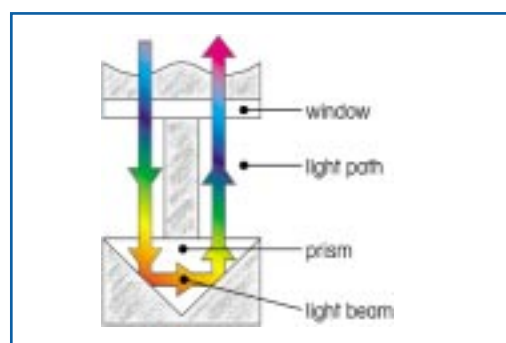


3.2.5 Mini Immersion Probe

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This Hellma transmission probe has been developed for manual use in the laboratory. Thanks to the fact that it is fixed by means of a clamping ring (e.g. Swagelok[®]) the probe can be permanently installed for continuous process monitoring in a reactor, for example.

Probe parts are made of stainless steel or Hastelloy[®], quartz and Kalrez[®], so that the use of adhesives in contact with the sample has been avoided. It is ideal for measurements in solvents which might attack adhesive materials.



661.112

Catalogue Number	661.112-UV 661.112-NIR
Window and prism material	Quartz SUPRASIL [®] 300
Barrel material	Stainless steel 1.4435 (316 L) or 2.4602 (Hastelloy [®] C-22)
Probe head seal	Kalrez [®] Compound 4079
Outside Ø probe head	12.7 mm (1/2")*
Total length	230 mm
Max. immersion depth	190 mm
Light path	2 mm, 5 mm, 10 mm
Typ. transmission	UV/Vis approx. 35% in air above 300 nm NIR approx. 35% in air above 400 nm
Max. pressure	6 bar
Max. temperature	150 °C
Fibre-optic cables	Built-in, not exchangeable UV/Vis-2 m** 240 nm–1100 nm (41,667 cm ⁻¹ –9,100 cm ⁻¹) NIR-2 m** 400 nm–2300 nm (25,000 cm ⁻¹ –4,348 cm ⁻¹) UV/Vis-low solarisation on request

*12 mm outside Ø on request.

**Fibre-optic cables available in various lengths.