

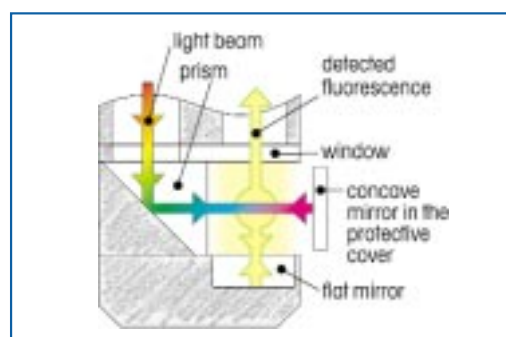


## 3.2.8 Fluorescence Immersion Probe

## 3.2.8 Fluorescence Immersion Probe

The Hellma fluorescence immersion probe makes it possible to measure fluorescence outside of a fluorimeter, directly in the medium being investigated. To achieve the best possible separation between the excitation and fluorescence beams, the fluorescent light is captured at a right angle to the incoming beam. A stainless steel casing protects the quartz glass probe head from damage and reduces the amount of incoming ambient light.

A built-in cylindrical concave mirror reflects transmitted light back into the centre of the sample chamber. A flat mirror in the sample chamber increases the yield of fluorescent light.



661.052

Catalogue Number	661.052-UV
Probe head material	Quartz SUPRASIL <sup>®</sup> 300
Probe handle material	Stainless steel 1.4404 (316 L)
Protective sleeve material	Stainless steel 1.4404 (316 L) or 1.4571 (316 Ti)
Probe head seal	Kalrez <sup>®</sup> Compound 4079
Protective sleeve seal	Viton <sup>®</sup>
Outside Ø probe head	15 mm
Outside Ø probe handle	20 mm
Outside Ø barrel	18 mm
Outside Ø protective sleeve	20 mm
Total length	175 mm
Height of sample chamber	7 mm
Max. immersion depth	100 mm
Max. pressure	6 bar
Max. temperature	100 °C
Fibre-optic cables	exchangeable UV/Vis – 2 m* 240 nm – 1100 nm (41,667 cm <sup>-1</sup> – 9,100 cm <sup>-1</sup> ) UV/Vis – low solarisation on request

\*Fibre-optic cables available separately in various lengths.