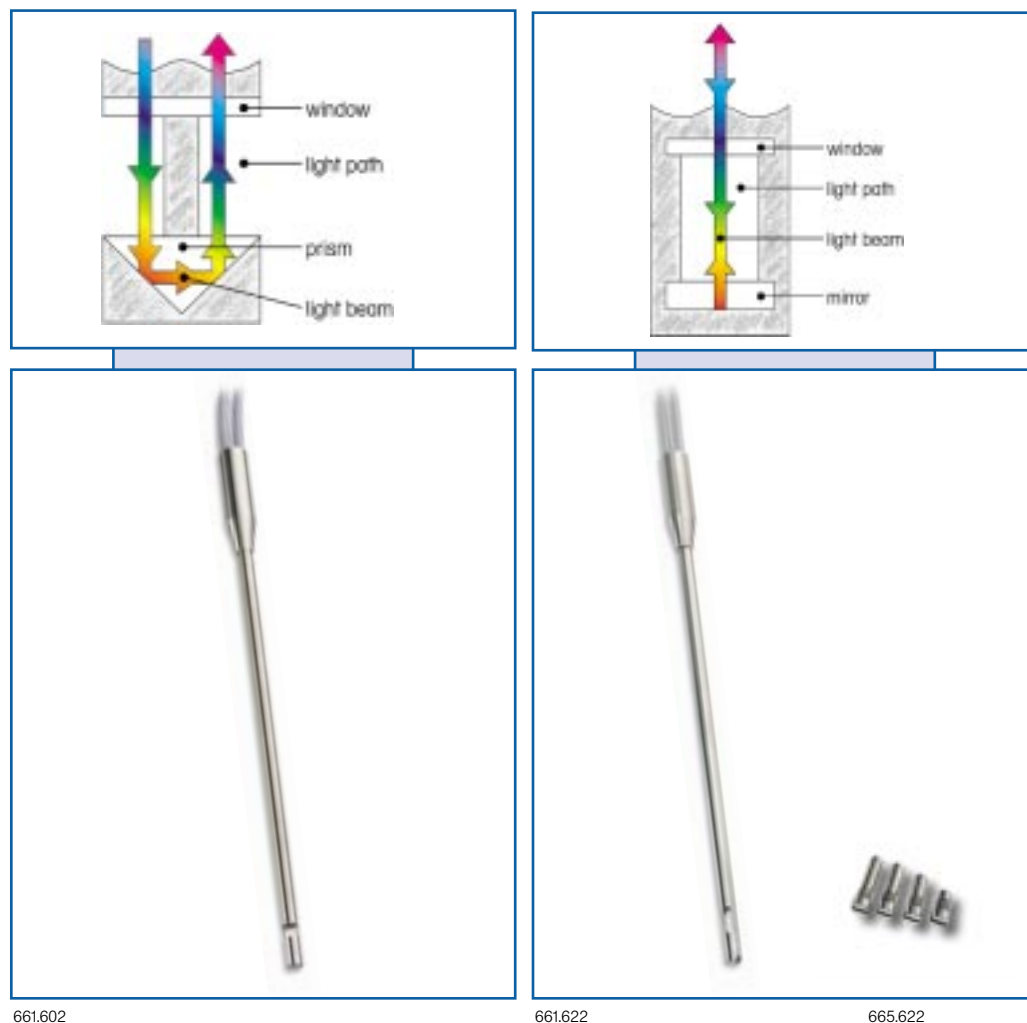


3.2.4 Ultra-Mini Immersion Probes

The type 661.602 probe is an ultra-mini immersion probe with SUPRASIL® 300 quartz prism and corrosion-resistant titanium barrel. The collimated light beam passes the solution to be measured twice. The separate beam path and use of a deflecting prism with two totally reflective surfaces leads to very low values for stray light.

The type 661.622 probe is an ultra-mini immersion probe with removable light path tips. The tips can be exchanged simply and easily to adjust the light path between 1 mm and 20 mm. After passing through the solution to be measured, the light beam is reflected by a rear-coated mirror and passes through the solution a second time.



661.602

661.622

665.622

3.2.4 Ultra-Mini Immersion Probes

Catalogue Number	661.602-UV 661.602-NIR	661.622-UV (without tips) 661.622-NIR (without tips)
Prism material	Quartz SUPRASIL® 300	
Mirror material		Quartz SUPRASIL® 300 with aluminium mirror layer
Window material	Quartz SUPRASIL® 300	Quartz SUPRASIL® 300
Barrel material	Titanium	Stainless steel 1.4435 (316 L)
Probe head seal	Epoxy glue	Epoxy glue
Outside Ø	6.35 mm (1/4")	6 mm
Total length	235 mm	235 mm
Max. immersion depth	175 mm	175 mm
Light path	2 mm, 5 mm, 10 mm	
Removeable tips		Catalogue Number 665.622 1 mm, 2 mm, 5 mm, 10 mm, 20 mm
Max. pressure	6 bar	6 bar
Max. temperature	150 °C	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	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

*Fibre-optic cables available in various lengths.