



### Intrusive IR probes for Integrity

Part Code	ATS10394/1	ATS10230 (stainless steel- pack 1)
<b>Description</b>	<b>Intrusive IR/NIR probe 661.6004-NIR, 10mm</b>	<b>Intrusive IR probe DIP-NIR5-BNSD</b>
<b>Image</b>		
<b>Key features</b>	Ultra-mini Immersion probe Large window at probe tip Ideal for large crystals and highly viscous solutions	World's smallest fibre optic dipping probe Ideal for multi-channel applications
<b>Pathlength</b>	10 mm $\pm$ 0.02 mm	5mm
<b>Materials in contact with sample</b>	Sapphire Kalrez 6375 (perfluoroelastomer) Hastelloy C-22 PEEK (polyether ether ketone)	Stainless steel
<b>Probe housing</b>	Designed to fit integrity 10	Designed to fit integrity 10
<b>Dimensions:</b> <i>Outer tip diameter</i> <i>Min. immersion depth</i> <i>Barrel length</i> <i>Total length</i>	6 mm 20 mm 140 mm 215 mm	1.5 mm (17-gauge needle size) 7mm (tip to upper edge of sample window) 180mm (including handle)
<b>Temperature range sample</b> <b>Max. temperature at the probe shaft</b>	5°C up to 150°C 150°C	
<b>Pressure range sample</b>	1 bar up to 6 bar	2 bar
<b>Fibre optic fibres</b> <i>Core diameter optic fibres</i> <i>Numerical aperture optic fibres</i> <i>Total length</i> <i>External total length</i> <i>Allowed bending radius</i>	Quartz built-in cables with low OH content (NIR) 600 $\mu$ m 0.22 2 x 1.4 m 2 x 1.2 m >100 mm FSMA type 905	Quartz built-in cables 2 x 400 $\mu$ m 1.5m (from connector to tip)  SMA
<b>Samples</b>	Any organic or inorganic solvents and acids.	Can be used in almost any organic or inorganic solvents except HF and strong acids. HF will dissolve the quartz fibre and strong acids will corrode the stainless steel
<b>Recommended cleaning solutions</b>	Detergent, pure solvent and then water	Distilled water, detergent, alcohol, acetone