

Integrity 10 Reaction Station

Accessories

Part number	ASY-I-1/49301STA	ASY-I-03201STA
Description	Intrusive IR/NIR probe 661.6004-NIR, 10 mm	Intrusive IR probe DIP-NIR5-BNSD
Image		
Key features	Ultra-mini immersion probe Large window at probe tip Ideal for large crystals & highly viscous solutions	World's smallest fibre optic dipping probe Ideal for multi-channel applications
Pathlength	10 mm ± 0.02 mm	5 mm
Materials in contact with sample	Sapphire Kalrez 6375 (perfluoroelastomer) Hastelloy C-22 PEEK (polyether ether ketone)	Stainless steel
Probe housing	Designed to fit Integrity 10	Designed to fit Integrity 10
Dimensions: Outer tip diameter Min. immersion depth Barrel length Total length	6 mm 20 mm 140 mm 215 mm	1.5 mm (17-gauge needle size) 7 mm (tip to upper edge of sample window) 180 mm (including handle)
Max. temperature at the probe shaft	150 °C	
Pressure range sample	1 bar up to 6 bar	2 bar
Fibre optic fibres Core diameter optic fibres Numerical aperture optic fibres Total length External total length Allowed bending radius	Quartz built-in cables with low OH content (NIR) 600 µm 0.22 2 x 1.4 m 2 x 1.2 m >100 mm FSMA type 905	Quartz built-in cables 2 x 400 µm 1.5 m (from connector to tip) SMA
Samples	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
Recommended cleaning solutions	Detergent, pure solvent and then water	Distilled water, detergent, alcohol, acetone

Please contact us for further information