## Specifications – pH Sensor for Solvent

General Specifications	
Description	pH Sensor for Solvent
Part Number	TT-SOL-pH-2106
pH Range	0 to 14 pH
Temperature Range	-5 to 105°C
Pressure	6.9 to 345 kPa absolute (1 to 50 psig)
Body Type	RYTON (Poly-Phenylene-Sulfone) with Twist Lock Front End – 1" MNPT Back End
Junction Material	KYNAR (Poly-Vinylidene-Fluoride)
Dimensions	216mm Length, Maximum Diameter 33.3mm
Cable Length	6m
Temperature Compensation	Pt1000
Preamplifier	Not Fitted
Waterproofing	Immersible, Submersible if threaded on sealed immersion rod with sufficient sealing tape
Connection	Hard Wired Tinned Leads for Sensor & TC
Special Features	Acid/Fluoride, Slurry, Sulphide, Organic, and Solvent Resistant, Teflon Silicon Sealing
pH Sensor Specifications	
Measuring Glass Type	Hemispherical, Green Glass (MUGG)
Glass Dimensions	8.0mm (0.315") Diameter
Initial Impedance	< 800 M Ohms @ 25°C
Sodium Ion Error	< 0.15 pH in Na <sup>+</sup> solutions at pH 14.00
Acidic Errors	< 0.05 pH in HCl solutions at 0.00 pH
Reference System Specifications	
Туре	Triple Junction
Reference Half Cell	Ag/AgCl, Saturated KCl
Primary & Secondary Junction	Porous Ceramic, Saturated KCI in Cross-linked polymer, interfaced to Tertiary Junction
Tertiary Junction	Solid-State Non-Porous Cross-Linked Polymer embedded in Kynar Support Matrix holds excess
	KCl assuring saturation at all temps for stability & long sensor service life.
Application Specifications	
Recommended Applications	Specifically designed for the Solvent industry. Any process media containing free sulfide species
	such as hydrogen sulfide gas (H <sub>2</sub> S), hydrogen sulfide (HS <sup>-</sup> ) or sulfide ions (S <sup>2-</sup> ).
Analyser / Interface	All Turtle Tough pH Analysers
Storage	Item should be kept at room temperature with closed protector cap, filled with storage solution
	in an upright position. Shelf life warranted for 12 months from the date of purchase.
Warranty	12 Month Conditional Warranty
	Please see <u>www.turtletough.com.au/support/warranty-returns</u>

