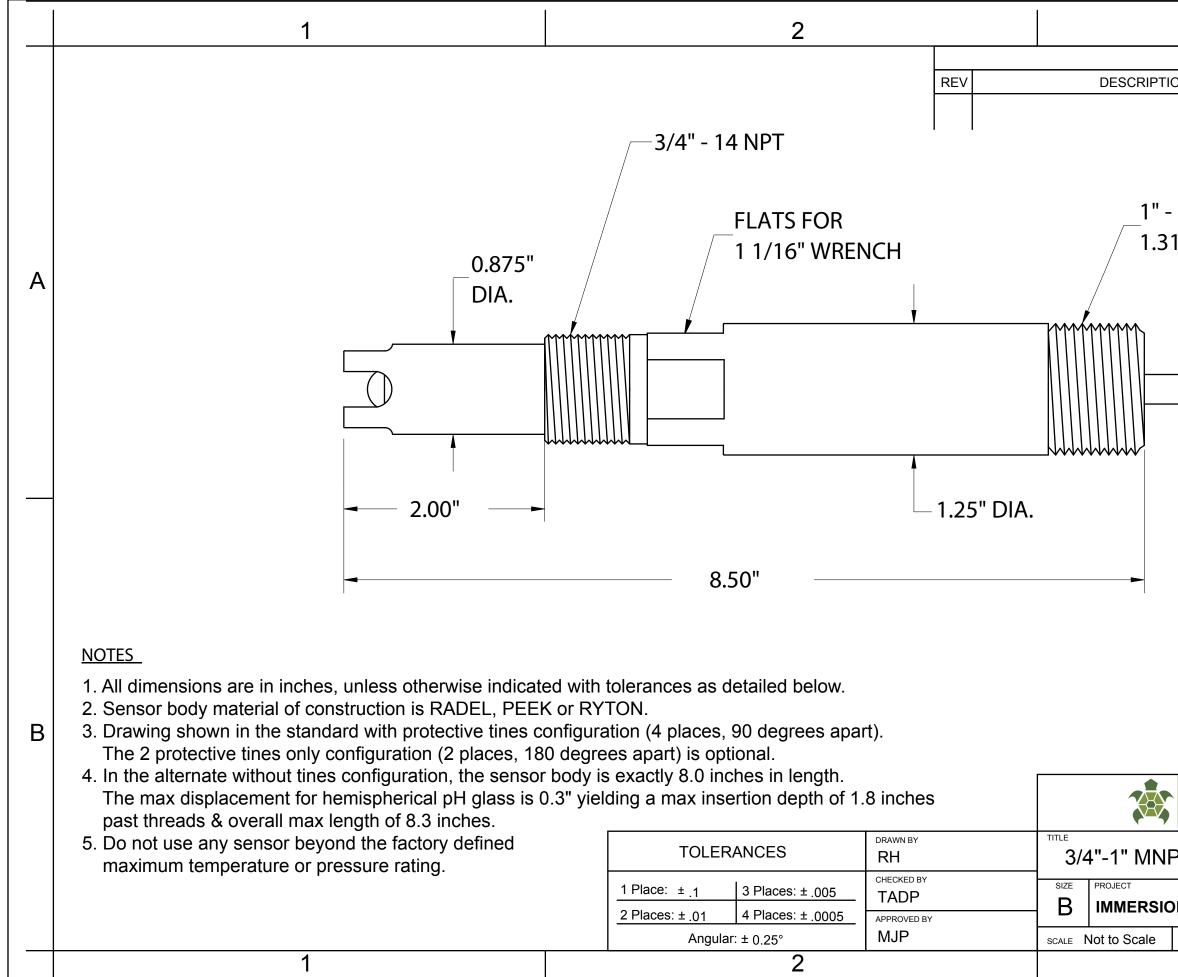
## Specifications – pH Sensor for Ammonium Nitrate

General Specifications				
Description	pH Sensor for Ammonium Nitrate			
Part Number	TT-NH4NO3-pH-2108			
pH Range	0 to 14 pH			
Temperature Range	-5 to 105°C			
Pressure	6.9 to 1035 kPa (1 to 150 psig)			
Body Type	RADEL (Poly-Phenyl-Sulfone) with ¾" Front End – 1" Back End MNPT			
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 Resistant			
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 Ammonium Nitrate industry. Any process media containing free			
	sulfide species such as hydrogen sulfide gas ( $H_2S$ ), hydrogen sulfide ( $HS^-$ ) or sulfide ions ( $S^{2-}$ ). Any			
	measurement where aggressive chemical cleaning is needed to remove fouling or low-			
	maintenance operation is required with minimal cleaning and re-calibration.			
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>			



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