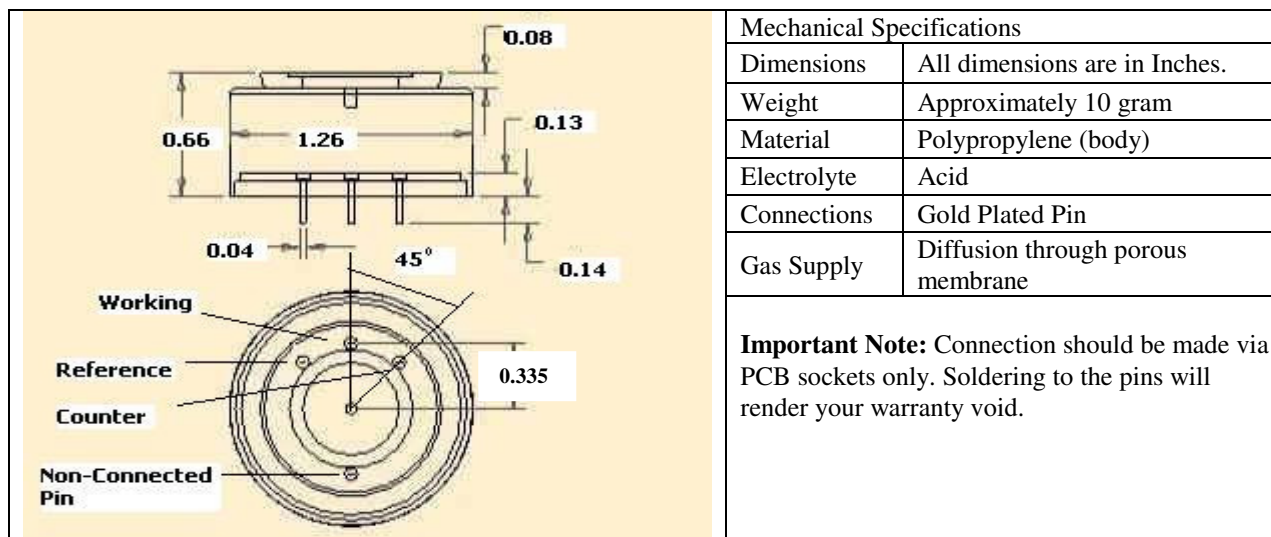


R Series Hydrogen Sensor – RH2-10P



	RH2-10P	
Measuring range	0-1 %	
Measuring Principle	Electrochemical Oxidation of H ₂	
Onboard Filter	To remove CO, SO _x , NO _x & H ₂ S	
Working Electrode Potential	Not required	
Output Signal, Zero, 25 °C	< ± 5 ppm equivalent maximum	
Output Signal, Span, 25 °C	0.01 ± 0.005 µA / PPM	
Lower Detection Limit	< 100 PPM (depends on circuitry)	
Resolution	± 100 PPM (depends on circuitry)	
Repeatability	1% of Signal	
Output Linearity	Linear	
Response Time (t-90)	< 60s typical at 20° C	
Stabilization time	15 minutes (first installed in a circuit); thereafter < 30 sec.	
Long Term Drift – Span	Output Signal ≤ ± 2% of reading per month	
Maximum Zero Shift	< 100 ppm equivalent (-20°C to +40°C)	
Operating Temperature	-20 to 50° C (0 – 35°C recommended)	
Operating Pressure Range	1.0 ± 0.2 atm (recommended)	
Operating Humidity Range	15 to 90% RH	
Estimated Service Life	> 2 Years	
Storage Pressure	1 ± 0.2 atm Recommended	
Storage Humidity Range	50 to 65% RH Recommended	
Storage Life	1 year in sealed package	
Warranty	One year (extended warranty available)	