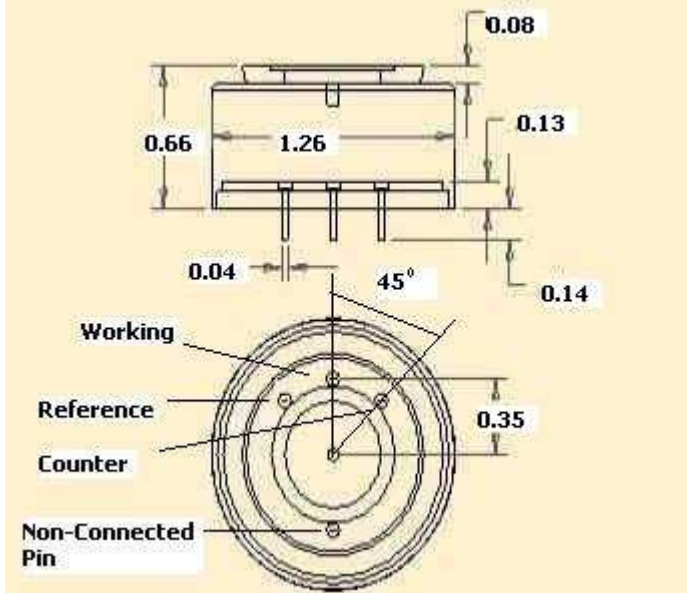


R Series Hydrogen Sulfide Sensor – RH2S100

 <p>The drawing shows a side view of the sensor with dimensions: 0.66 (height), 1.26 (width), 0.08 (top thickness), 0.13 (bottom thickness), 0.04 (pin diameter), and 45° (pin angle). The top view shows concentric rings labeled Working, Reference, and Counter, with a Non-Connected Pin. A 0.35 dimension is shown for the inner ring.</p>	Mechanical Specifications	
	Dimensions	All dimensions are in Inches.
Weight	Approximately 10 gram	
Material	Polypropylene (body)	
Electrolyte	Acid	
Connections	Gold Plated Pin	
Gas Supply	Diffusion through porous membrane	
<p>Important Note: Connection should be made via PCB sockets only. Soldering to the pins will render your warranty void.</p>		

Measuring range	0-100 PPM
Measuring Principle	Electrochemical Oxidation of H ₂ S
Working Electrode Potential	+300 mv
Output Signal, Span, 25 °C	0.300 ± 0.150 μA / PPM
Lower Detection Limit	< 1 PPM (depends on circuitry)
Resolution	< ± 0.5 PPM (depends on circuitry)
Repeatability	1% of Signal
Output Linearity	Linear
Response Time (t-90)	< 30s typical at 20° C
Stabilization time	30 minutes (first installed in a circuit); thereafter < 30 sec.
Operating Temperature	-20 to 50° C (0 – 35° C recommended)
Operating Pressure Range	1.0 ± 0.2 atm (recommended)
Operating Humidity Range	5 to 95% RH (0 to 100% non-condensing)
Estimated Service Life	> 2 Years
Storage Temperature	22° C Recommended
Storage Pressure	1.0 ± 0.2 atm Recommended
Storage Humidity Range	50% to 70% RH Recommended
Storage Life	1 year in sealed package
Warranty	One year (extended warranty available)

Contact TTI for application information. TTI reserves the right to alter design features and specifications without notice.