

Gastronics Gas Sensors

Hydrogen Sulfide Solid Sensor

Features

+65°C Temperature Rating

Super Fast Response

5 Year Life

Solid Electrolyte

Stable zero reading

Excellent repeatability

High reliability

Technical Specifications

Measuring Range	0-100 ppm
Sensitivity	60-160nA/ppm
Zero Current at Normal Conditions	± 20nA
Lower Detectable Limit	1 ppm
Bias Potential	0mV
Linearity	< 10% full scale
Response Time at 20°C	
t50	<10 seconds
t90	<30 seconds
Long Term Span Drift	<1% per month
Sensor Warm Up Time	1 min
Temperature Range	-40°C to +65°C
Humidity Range	15 – 95% r.h., non-condensing
Effect of Temperature on Zero Current	no effect
Effects of Humidity on Zero Current	no effect
Sensor Life Expectancy	5 years
Warranty	24 months

Cross Sensitivities at 20°C

Gas	Concentration	Reading (ppm)
Ammonia	25 ppm	0
Carbon Dioxide	5,000 ppm	0
Carbon Monoxide	30 ppm	3
Hydrogen Chloride	1.0 ppm	0
Hydrocarbons	1%	0
Hydrogen	100 ppm	3
Hydrogen Cyanide	10 ppm	0
Nitrogen Dioxide	10 ppm	-3
Sulfur Dioxide	20 ppm	0

Note: Interference factors may differ from sensor to sensor and with lifetime. Gastronics, Inc. deems the data contained herein as factual, and the opinions expressed are those of qualified experts based on the results of tests conducted. The above data cannot be used as a warranty provision or representation for which Gastronics assumes legal responsibility. The data is offered solely for consideration, investigation and verification.