

RKI Sensor Specification

Features: Fast warm-up time
 Good zero stability
 Quick response time

Hydrogen Sulfide (H2S)

Part Number: ES-1537-H2S
Sensor Application: Fixed Systems

Technical Specifications			
Measuring Principle	Amperometric 3-electrode sensor	Accuracy	+/- 10% of reading or +/- 5% of full scale (whichever is greater)
Range of Measurement	0 – 100 ppm	Repeatability	+/- 5% of reading
Resolution	1% of full scale	T₉₀ Response time (20°C, 2 min. exposure)	<60 seconds

Operating Conditions			
Temperature Range	-40°C to +40°C	Life Expectancy	2-3 Years
Humidity Range	0-99% RH, Non Condensing	Warranty	1 Year

Known Gas Interferences

Gas	PPM Gas Applied	Reading
Carbon Monoxide (CO)	100	8.0
Chlorine (Cl ₂)	10.0	-2.5
Ethylene (C ₂ H ₄)	100	0.0
Hydrogen (H ₂)	100	2.0
Hydrogen Chloride (HCl)	100	0.0

Gas	PPM Gas Applied	Reading
Hydrogen Cyanide (HCN)	100	0.0
Nitric Oxide (NO)	100	5.0
Nitrogen Dioxide (NO ₂)	10.0	-2.0
Sulfur Dioxide (SO ₂)	100	15.0