

RKI Sensor Specification

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

Hydrogen Sulfide (H₂S)

Part Number: ES-87A-H₂S
Sensor Application: EAGLE

Technical Specifications			
Measuring Principle	Amperometric 2-electrode sensor	Accuracy	+/- 10 % of reading
Range of Measurement	0 – 100 ppm	Repeatability	+/- 5% of reading
Resolution	1% of full scale	T₉₀ Response time (20°C, 2 min. exposure)	90 seconds

Operating Conditions			
Temperature Range	-20°C to +45°C	Life Expectancy	2-3 Years
Humidity Range	10-95% RH, Non Condensing	Warranty	1 Year

Known Gas Interferences

Gas	PPM Gas Applied	Reading
Acetylene (C ₂ H ₂)	50.0	1.0
Benzene (C ₆ H ₆)	1,000	no response
Carbon Dioxide (CO ₂)	1,000	no response
Carbon Monoxide (CO)	800.0	1.0
Chlorine (Cl ₂)	1,000	no response
Ethane (C ₂ H ₆)	1,000	no response
Ethylene (C ₂ H ₄)	600.0	1.0
Hexane (C ₆ H ₁₄)	1,000	no response
Hydrogen (H ₂)	1,500.0	1.0
IsoButane (C ₄ H ₁₀)	1,000	no response

Gas	PPM Gas Applied	Reading
Methane (CH ₄)	1,000	no response
Methanol (CH ₃ OH)	500.0	1.0
Nitric Oxide (NO)	20.0	1.0
Nitrogen Dioxide (NO ₂)	33.0	1.0
Pentane (C ₅ H ₁₂)	1,000	no response
Propylene (C ₃ H ₆)	1,000.0	1.0
Sulfur Dioxide (SO ₂)	7.0	1.0
Toluene (C ₇ H ₈)	1,000	no response
Xylene (C ₈ H ₁₀)	1,000	no response