

# RKI Sensor Specification

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

## Hydrogen Sulfide (H<sub>2</sub>S)

**Part Number:** ES-1537-H<sub>2</sub>S  
**Sensor Application:** Fixed Systems

Technical Specifications			
<b>Measuring Principle</b>	Amperometric 3-electrode sensor	<b>Accuracy</b>	+/- 10 % of reading
<b>Range of Measurement</b>	0 – 100 ppm	<b>Repeatability</b>	+/- 5% of reading
<b>Resolution</b>	1% of full scale	<b>T<sub>90</sub> Response time (20°C, 2 min. exposure)</b>	90 seconds

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

## Known Gas Interferences

Gas	PPM Gas Applied	Reading
Carbon Monoxide (CO)	0.08	1.0
Chlorine (Cl <sub>2</sub> )	0.25	-1.0
Ethylene (C <sub>2</sub> H <sub>4</sub> )	0.0	1.0
Hydrogen (H <sub>2</sub> )	0.02	1.0
Hydrogen Chloride (HCl)	0.0	1.0

Gas	PPM Gas Applied	Reading
Hydrogen Cyanide (HCN)	0.0	1.0
Nitric Oxide (NO)	0.05	1.0
Nitrogen Dioxide (NO <sub>2</sub> )	0.20	-1.0
Sulfur Dioxide (SO <sub>2</sub> )	0.15	1.0