

RKI Sensor Specification

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

Carbon Monoxide (CO)

Part Number: ES-1531-CO
Sensor Application: Fixed Systems

Technical Specifications			
Measuring Principle	Amperometric 3-electrode sensor	Accuracy	+/- 10 % of reading
Range of Measurement	0 – 300 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
Chlorine (Cl ₂)	0.40	-1.0
Ethylene (C ₂ H ₄)	0.90	1.0
Hydrogen (H ₂)	0.60	1.0
Hydrogen Chloride (HCl)	0.05	1.0
Hydrogen Cyanide (HCN)	0.40	1.0

Gas	PPM Gas Applied	Reading
Hydrogen Sulfide (H ₂ S)	3.50	1.0
Nitric Oxide (NO)	.25	1.0
Nitrogen Dioxide (NO ₂)	0.60	-1.0
Sulfur Dioxide (SO ₂)	0.65	1.0