

RKI Sensor Specification

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

Carbon Monoxide (CO)

Part Number: ES-23-CO
Sensor Application: EAGLE, Fixed Systems

Technical Specifications			
Measuring Principle	Amperometric 3-electrode sensor	Accuracy	+/- 10 % of reading
Range of Measurement	1 – 150 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
Carbon Monoxide (CO)	5%	1.00
Ethane (C ₂ H ₆)	62.00	1.00
Ethylene (C ₂ H ₄)	10.00	1.00
Hydrogen (H ₂)	50.00	1.00
Hydrogen Sulfide (H ₂ S)	20.00	0.00
IsoButane (C ₄ H ₁₀)	1%	0.00

Gas	PPM Gas Applied	Reading
Methane (CH ₄)	5%	0.00
Nitric Oxide (NO)	25.00	54.00
Nitrogen Dioxide (NO ₂)	10.00	-3.00
Propylene (C ₃ H ₆)	10.00	1.00
Sulfur Dioxide (SO ₂)	21.00	0.00