

RKI Sensor Specification

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

Carbon Monoxide (CO)

Part Number: 65-2005_2007-CO
Sensor Application: EAGLE, Fixed Systems
 Sample Draw

Technical Specifications			
Measuring Principle	Amperometric 2-electrode sensor	Accuracy	+/- 5% of reading or +/- 5 ppm CO (whichever is greater)
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	2 Years

Known Gas Interferences

Gas	PPM Gas Applied	Reading
Acetylene (C ₂ H ₂)	10.0	1.0
Benzene (C ₆ H ₆)	1% Vol.	1.0
Carbon Dioxide (CO ₂)	1% Vol.	no response
Carbon Monoxide (CO)	1.0	1.0
Chlorine (Cl ₂)	10.0	no response
Ethane (C ₂ H ₆)	200	1.0
Ethylene (C ₂ H ₄)	10.0	1.0
Hexane (C ₆ H ₁₄)	3% Vol.	1.0
Hydrogen (H ₂)	20.0	1.0

Gas	PPM Gas Applied	Reading
IsoButane (C ₄ H ₁₀)	1.0% Vol.	no response
Methane (CH ₄)	1.0% Vol.	no response
Methanol (CH ₃ OH)	1.0% Vol.	no response
Nitric Oxide (NO)	25	1.0
Nitrogen Dioxide (NO ₂)	10.0	no response
Pentane (C ₅ H ₁₂)	2% Vol.	1.0
Sulfur Dioxide (SO ₂)	10	no response
Toluene (C ₇ H ₈)	5% Vol.	1.0
Xylene (C ₈ H ₁₀)	1% Vol.	1.0

Note: Assumes charcoal filter is in place.