

RKI Sensor Specification

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

Carbon Monoxide (CO)

Part Number: ES-1821-CO
Sensor Application: GX-2001, GX-2003,
GasWatch 2

Technical Specifications			
Measuring Principle	Amperometric 2-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
Acetone ((CH ₃) ₂ CO)	10,000 ppm	2 ppm
Acetylene (C ₂ H ₂)	490 ppm	25 ppm
Ammonia (NH ₃)	60 ppm	1 ppm
Chlorine (Cl ₂)	13 ppm	-1ppm
Ethylene (C ₂ H ₄)	49 ppm	25 ppm
Hydrogen (H ₂)	72 ppm	25 ppm
Hydrogen Chloride (HCl)	89 ppm	-1 ppm

Gas	PPM Gas Applied	Reading
Hydrogen Sulfide (H ₂ S)	1,300 ppm	25 ppm
Isopropyl Alcohol (IPA) ((CH ₃) ₂ CHOH)	530 ppm	25 ppm
Nitrogen Dioxide (NO ₂)	140 ppm	25 ppm
Nitric Oxide (NO)	72 ppm	25 ppm
Ozone (O ₃)	1.9 ppm	1 ppm
Sulfur Dioxide (SO ₂)	32 ppm	25 ppm