

# 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-6000, GX-2001, GX-2003,  
 GX-2009, GasWatch 2, CO-01,  
 GX-2012, Gas Tracer

Technical Specifications			
<b>Measuring Principle</b>	Amperometric 2-electrode sensor	<b>Accuracy</b>	+/- 5% of reading or +/- 5 ppm CO (whichever is greater)
<b>Range of Measurement</b>	0 – 500 ppm	<b>Repeatability</b>	+/- 5% of reading
<b>Resolution</b>	1% of full scale	<b>T<sub>90</sub> Response time</b> (20°C, 2 min. exposure)	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>	2 Years

### Known Gas Interferences (with charcoal filter)

Gas	PPM Gas Applied	Reading
Acetone ((CH <sub>3</sub> ) <sub>2</sub> CO)	10,000 ppm	2 ppm
Acetylene (C <sub>2</sub> H <sub>2</sub> )	490 ppm	25 ppm
Ammonia (NH <sub>3</sub> )	60 ppm	1 ppm
Chlorine (Cl <sub>2</sub> )	13 ppm	-1ppm
Ethylene (C <sub>2</sub> H <sub>4</sub> )	49 ppm	25 ppm
Hydrogen (H <sub>2</sub> )	72 ppm	25 ppm
Hydrogen Chloride (HCl)	89 ppm	-1 ppm

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