

# RKI Sensor Specification

## Carbon Monoxide (CO)

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

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

Technical Specifications			
<b>Measuring Principle</b>	Amperometric 3-electrode sensor	<b>Accuracy</b>	+/- 10% of reading or +/- 5% of full scale (whichever is greater)
<b>Range of Measurement</b>	0 – 300 ppm	<b>Repeatability</b>	+/- 5% of reading
<b>Resolution</b>	1% of full scale	<b>T<sub>90</sub> Response time (20°C, 2 min. exposure)</b>	<35 seconds

Operating Conditions			
<b>Temperature Range</b>	-5°C to +40°C	<b>Life Expectancy</b>	2-3 Years
<b>Humidity Range</b>	0-99% RH, Non Condensing	<b>Warranty</b>	1 Year

### Known Gas Interferences (with interference filter)

Gas	PPM Gas Applied	Reading
Chlorine (Cl <sub>2</sub> )	10	0
Ethylene (C <sub>2</sub> H <sub>4</sub> )	100	90
Hydrogen (H <sub>2</sub> )	100	60
Hydrogen Chloride (HCl)	100	0
Hydrogen Cyanide (HCN)	100	0

Gas	PPM Gas Applied	Reading
Hydrogen Sulfide (H <sub>2</sub> S)	100	0
Nitric Oxide (NO)	25	7
Nitrogen Dioxide (NO <sub>2</sub> )	10	0
Sulfur Dioxide (SO <sub>2</sub> )	100	0