

# RKI Sensor Specification

## LEL Combustible

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

**Part Number:** NC-6264A  
GX-2001, GX-2003, GX-2009  
**Sensor Application:** GX-2012, Gas Tracer, GP-01

Technical Specifications			
<b>Measuring Principle</b>	Catalytic Oxidation	<b>Accuracy</b>	+/- 5% of reading or +/- 2% of full scale (whichever is greater)
<b>Range of Measurement</b>	0 – 100% LEL	<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>	90 seconds

Operating Conditions			
Temperature Range	-20°C to +50°C	<b>Life Expectancy</b>	2-4 Years
Humidity Range	0-100% RH, Non Condensing	<b>Warranty</b>	2 Year

## Known Gas Interferences

Target Gas	Response Factor
Acetone	1.92
Acetylene	2.00
Benzene	2.85
Ethane	1.25
Ethyl alcohol	1.75
Ethylene	1.20
Heptane	1.92
Hexane	2.65
Hydrogen	1.00
Isobutane	1.56
Isopropanol	2.50
MEK	1.92
Methane	1.00
Methanol	1.65
Pentane	1.35
Propane	1.68
Propylene	1.33
Toluene	2.00
Xylene	0.93

The response factors listed above are based on methane calibration. When detecting a target gas other than methane, multiple the observed display reading by the appropriate response factor to get the approximate concentration of the target gas. These factors are rough approximations, for more accurate readings calibrate the instrument with the actual target gas if available.

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