

RKI Sensor Specification

LEL/PPM Hydrocarbon Sensor

Features: Fast warm-up time
 Good zero stability
 Quick response time
 Sensitive to all Flammable gases & vapors

Part Number: 62-0125RK, NC-6260B

Sensor Application: Eagle, Eagle 2

Technical Specifications				
Measuring Principle	Catalytic Oxidation	Accuracy	%LEL	+/- 5% of reading or +/- 2% LEL
			PPM	+/- 50 ppm or 5% of reading
Range of Measurement	0 – 100% LEL / 0 – 50,000 ppm		Repeatability	
Resolution	1% of full scale		+/- 2% of reading	
			T₉₀ Response time (20°C, 2 min. exposure)	< 30 seconds

Operating Conditions			
Temperature Range	-20°C to +50°C	Life Expectancy	2 -5 Years
Humidity Range	0-100% RH, Non Condensing		Warranty

Relative Response Information

The response factors below are based on calibration gas as listed at column heading. These factors should be used for rough approximation only. For best accuracy, calibrate with target gas if practical.

To calculate the approximate level for an alternate gas, multiply gas reading by appropriate conversion factor.

Gas	Conversion Factor	PPM Factor
Acetone	1.40	0.70
Benzene	1.75	0.42
Butyl acrylate	3.95	1.34
Butyl acetate	3.38	0.88
2-Butyl alcohol	1.94	0.66
1- Butyl alcohol	2.65	0.74
CycloHexane	1.82	0.47
Cumene	3.90	0.70
Ethylene dichloride	2.75	3.41
Ethyl alcohol	1.38	0.91
Ethyl chloride	1.26	0.96
Ethyl acrylate	2.45	0.69
Hexane	2.44	0.54
Hydrogen	1.16	0.93
Isobutane	1.61	0.58

Gas	Conversion Factor	PPM Factor
Isopropanol	2.22	0.89
Methane	1.00	1.00
Methanol	1.23	1.48
Methyl acetate	1.37	0.85
Methyl acrylate	1.10	0.62
Methyl ethyl ketone	2.53	0.71
Methyl isobutyl ketone	2.53	0.61
"Mixed xylenes"	2.36	0.52
Nonane	2.87	0.46
Pentane	195	0.59
Propane	1.50	0.63
Styrene	2.94	0.53
Toluene	2.16	0.48
Vinyl acetate monomer	1.48	0.77