

RKI Sensor Specification

LEL Combustible

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

Part Number: NCU-6211-H2
Sensor Application: GD-70D

Technical Specifications			
Measuring Principle	Catalytic Oxidation	Accuracy	+/- 5% of reading or +/- 2% of full scale (whichever is greater)
Range of Measurement	0 – 100% LEL	Repeatability	+/- 5% of reading
Resolution	1% of full scale	T ₉₀ Response time (20°C, 2 min. exposure)	90 seconds

Operating Conditions			
Temperature Range	-20°C to +50°C	Life Expectancy	2-4 Years
Humidity Range	0-100% RH, Non Condensing	Warranty	1 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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