

RKI Sensor Specification

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

LEL HydroCarbons (HC)

Part Number: 61-0190RK-HC
Sensor Application: Fixed Systems

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

Operating Conditions			
Temperature Range	-20°C to +50°C	Life Expectancy	5-10 Years
Humidity Range	0-100% RH, Non Condensing	Warranty	1 Year

Relative Response Information

% LEL equivalent to 50% LEL Propane			
Gas	Conversion Factor	Gas	Conversion Factor
Acetone	2.75	Hexane	1.5
Acetylene	NR	Hydrogen	NR
Benzene	NR	Isopropyl Alcohol	1.5
Butane	1.04	Methane	1.75
Chloromethane	0.7	Methanol	0.78
Cyclopentane	3.0	Methyl Ethyl Ketone	2.8
Dichloroethane	2.1	Pentane	1.56
Ethane	0.68	Propane	1.0
Ethanol	1.0	Propylene	1.75
Ethyl Acetate	1.6	Toluene	2.15
Ethylene	2.6	Xylene	1.88
Ethylene Oxide	1.0		

Please note – response to methane is very non-linear, factor will vary at concentrations other than 50% LEL.