

# RKI Sensor Specification

## LEL Methane (CH4)

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

**Part Number:** 61-5025RK

**Sensor Application:** Eagle

Technical Specifications			
<b>Measuring Principle</b>	Infrared	<b>Accuracy</b>	+/- 5% of reading or +/- 2% of full scale (whichever is greater)
<b>Range of Measurement</b>	0 – 100% LEL or 0-100% LEL/0-100% Vol methane	<b>Repeatability</b>	+/- 2% of reading
<b>Resolution</b>	1% of full scale	<b>T<sub>90</sub> Response time (20°C, 2 min. exposure)</b>	< 30 seconds

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

## Relative Response Information

### LEL Methane

Ethane	0.39
Hexane	0.65
Hydrogen	No Response
Isobutane	0.50
Isopropanol	0.70
Methane	1.00
Methyl Ethyl Ketone	1.00
Propane	0.44
Toluene	1.30