

RKI Sensor Specification

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

Part Number:
Sensor Application:

Acetic Acid (CH₃COOH)

ES-733PX-CH₃COOH
EAGLE, Fixed Systems

Technical Specifications			
Measuring Principle	Amperometric 3-electrode sensor	Accuracy	+/- 10% of reading or +/- 5% of full scale (whichever is greater)
Range of Measurement	0 – 30 ppm	Repeatability	+/- 5% of reading
Resolution	1% of full scale	T₉₀ Response time (20°C, 2 min. exposure)	90 seconds

Operating Conditions			
Temperature Range	-20°C to +45°C	Life Expectancy	2-3 Years
Humidity Range	10-95% RH, Non Condensing	Warranty	1 Year

Known Gas Interferences

Gas	PPM Gas Applied	Reading
Acetone ((CH ₃) ₂ CO)	1% vol.	0.0
Carbon Dioxide (CO ₂)	2000	8.0
Chlorine (Cl ₂)	1.0	10.0
Ethanol (C ₂ H ₅ OH)	1% vol.	0.0
Freon 14 (CF ₄)	1% vol.	0.0
Freon 116 (CF ₃ -CF ₃)	1% vol.	0.0
Fluorine (F ₂)	5.0	12.0
Hydrogen (H ₂)	5% vol.	-3.0
Hydrogen Chloride (HCl)	10.0	30.0

Gas	PPM Gas Applied	Reading
I.P.A. ((CH ₃) ₂ CHOH)	1% vol.	0.0
Methane (CH ₄)	10% vol.	0.0
Methanol (CH ₃ OH)	1% vol.	0.0
Methyl Acetate (CH ₃ COOCH ₃)	5,000.0	0.0
n-Butyl Acetate (CH ₃ COO(CH ₂) ₃ CH ₃)	5,000.0	0.0
Nitric Oxide (NO)	100.0	0.0
Nitrogen Dioxide (NO ₂)	7.7	3.0
Nitrogen Trifluoride (NF ₃)	50.0	0.0