

RKI Sensor Specification

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

Nitric Oxide (NO)

Part Number: ES/ESM/ESU-23A-NO
Sensor Application: GD-K8A, GD-K7D2, Eagle, GD-K71D, GD-K77D, GD-70D

Technical Specifications			
Measuring Principle	Amperometric 3-electrode sensor	Accuracy	+/- 10% of reading or +/- 5% of full scale (whichever is greater)
Range of Measurement	0 – 100 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
Acetylene (C ₂ H ₂)	100.0	50.0
Acetone ((CH ₃) ₂ CO)	6.1% Vol.	50.0
Ammonia (NH ₃)	2.5% Vol.	50.0
Bromine (Br ₂)	8.7	-50.0
Carbon Dioxide (CO ₂)	1,000	0
Carbon Monoxide (CO)	.29% Vol.	50.0
Chlorine (Cl ₂)	11.0	-50.0
Ethylene (C ₂ H ₄)	.12% Vol.	50.0
Fluorine (F ₂)	24.0	-50.0
Hydrogen (H ₂)	1.7% Vol.	50.0
Hydrogen Bromide (HBr)	5.4	50.0

Gas	PPM Gas Applied	Reading
Hydrogen Chloride (HCl)	3.1	50.0
Hydrogen Cyanide (HCN)	120.0	50.0
Hydrogen Sulfide (H ₂ S)	0.43	50.0
Iodine (I ₂)	3.6	-50.0
I.P.A. ((CH ₃) ₂ CHOH)	7% Vol.	50.0
Methanol (CH ₃ OH)	5% Vol.	50.0
Nitrogen Dioxide (NO ₂)	36.0	50.0
Nitrogen Trifluoride (NF ₃)	1.5% Vol.	50.0
Ozone (O ₃)	28.0	-50.0
Sulfur Dioxide (SO ₂)	39.0	50.0
Toluene (C ₆ H ₅ CH ₃)	46% Vol.	50.0

Part # Prefix	Applicable Instruments
ES	GD-K8A, GD-K7D2, Eagle
ESM	GD-K71D, GD-K77D
ESU	GD-70D