

RKI Sensor Specification

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

Nitrogen Trifluoride (NF₃)

Part Number: ES-23AH-NO2/NF
Sensor Application: Fixed Systems

Technical Specifications			
Measuring Principle	Amperometric 3-electrode sensor	Accuracy	+/- 10 % of reading
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
Ammonia (NH ₃)	242.6	0.0
Carbon Dioxide (CO ₂)	2,435	0.0
Chlorine (Cl ₂)	2.0	0.1
Hydrogen (H ₂)	5,000	0.1
Hydrogen Chloride (HCl)	13.5	1.7
Hydrogen Fluoride (HF)	6.0	0.0

Gas	PPM Gas Applied	Reading
I. P.A. ((CH ₃) ₂ CHOH)	5,000	6.0
Methane (CH ₄)	5,000	0.0
Nitric Oxide (NO)	101.6	0.0
Nitrogen Dioxide (NO ₂)	104.6	6.3
Ozone (O ₃)	2.2	0.0