

# RKI Sensor Specification

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

## Nitrogen Trifluoride (NF3)

**Part Number:** ES-23AH-NO2/NF3  
**Sensor Application:** Fixed Systems

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

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

## Known Gas Interferences

Gas	PPM Gas Applied	Reading
Ammonia (NH3)	242.6	0.0
Carbon Dioxide (CO2)	2,435	0.0
Chlorine (Cl2)	2.0	0.1
Hydrogen (H2)	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. ((CH3)2CHOH)	5,000	6.0
Methane (CH4)	5,000	0.0
Nitric Oxide (NO)	101.6	0.0
Nitrogen Dioxide (NO2)	104.6	6.3
Ozone (O3)	2.2	0.0