

RKI Sensor Specification

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

Part Number:
Sensor Application:

Ozone (O3)
ES-23AH-O3
GD-K8A, GD-K7D2

Technical Specifications			
Measuring Principle	Amperometric 3-electrode sensor	Accuracy	+/- 10 % of reading
Range of Measurement	0 - 5.00 ppm	Repeatability	+/- 5% of reading
Resolution	1% of full scale	T ₉₀ 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 ((CH3)2CO)	1% vol	0 ppm
Ammonia (NH3)	50	0 ppm
Chlorine (Cl2)	0.5	0.3 ppm
Ethanol (C2H5OH)	1% vol	0 ppm
Fluorine (F2)	5	1.3 ppm
Hydrogen (H2)	2% vol	-0.4 ppm
Hydrogen Sulfide (H2S)	1.2 ppm	-0.6 ppm

Gas	PPM Gas Applied	Reading
Isopropyl Alcohol (IPA) ((CH3)2CHOH)	1% vol	0 ppm
Nitric Oxide (NO)	103	1.5 ppm
Nitrogen Dioxide (NO2)	4.2	1.6 ppm
Nitrogen Trifluoride (NF3)	20	0 ppm
Sulfur Dioxide (SO2)	15.9	0 ppm
Trichloroethylene (TCE)	1% vol	0 ppm
Toluene (C7H8)	1% vol	0 ppm