

RKI Sensor Specification

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

Hexafluorobutadiene (C4F6)

Part Number: 65-FV-017
Sensor Application: FP-260AGZS

Technical Specifications			
Measuring Principle	Pyrolyzer + photoelectric photometry	Accuracy	+/- 10 % of reading
Range of Measurement	0 – 5.0 ppm	Repeatability	+/- 5% of reading
Resolution	+/- 30% of indication value	Measuring Cycle	20 seconds

Operating Conditions			
Temperature Range	10°C to 35°C	Life Expectancy	1 month (no alarms)
Humidity Range	30-60% RH, Non Condensing	Warranty	1 Year

Known Gas Interferences

Gas	Gas Applied	Reading
Acetone ((CH ₃) ₂ CO)	1% vol	0 ppm
Chlorine (Cl ₂)	2 ppm	Over scale
HFE-7100 (C ₄ F ₉ OCH ₃)	100 ppm	2.6 ppm
HFE-7200 (C ₄ F ₉ OC ₂ H ₅)	100 ppm	1.5 ppm
HT-70 CF ₃ ((OC ₃ F ₆) _n (OCF ₂) _m)OCF	100 ppm	1.3 ppm
HT-90 CF ₃ ((OC ₃ F ₆) _n (OCF ₂) _m)OCF	100 ppm	2.2 ppm
HT-135 CF ₃ ((OC ₃ F ₆) _n (OCF ₂) _m)OCF	100 ppm	4.0 ppm

Gas	Gas Applied	Reading
HT-200 CF ₃ ((OC ₃ F ₆) _n (OCF ₂) _m)OCF	100 ppm	3.1 ppm
Halocarbon 22 (CHClF ₂)	20 ppm	Over Scale
Halocarbon 123 (C ₂ HCl ₂ F ₃)	50 ppm	Over Scale
Hydrogen Chloride (HCl)	4 ppm	0 ppm (over scale after 5 min)
Hydrogen Fluoride (HF)	6 ppm	0 ppm (1.1 ppm after 5 min)
Isopropyl Alcohol (IPA) ((CH ₃) ₂ CHOH)	1% vol	0 ppm
Methanol (CH ₃ OH)	1% vol	0 ppm