

# RKI Sensor Specification

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

**Octafluorocyclopentene (C5F8)**  
**Part Number:** 65-FV-017  
**Sensor Application:** FP-260AGZS

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

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

## Known Gas Interferences

Gas	Gas Applied	Reading
Acetone ((CH <sub>3</sub> ) <sub>2</sub> CO)	1% vol	0 ppm
Chlorine (Cl <sub>2</sub> )	2 ppm	Over Scale
HFE-7100 (C <sub>4</sub> F <sub>9</sub> OCH <sub>3</sub> )	100 ppm	2.0 ppm
HFE-7200 (C <sub>4</sub> F <sub>9</sub> OC <sub>2</sub> H <sub>5</sub> )	100 ppm	1.1 ppm
HT-70 CF <sub>3</sub> ((OC <sub>3</sub> F <sub>6</sub> ) <sub>n</sub> (OCF <sub>2</sub> ) <sub>m</sub> )OCF	100 ppm	0.9 ppm
HT-90 CF <sub>3</sub> ((OC <sub>3</sub> F <sub>6</sub> ) <sub>n</sub> (OCF <sub>2</sub> ) <sub>m</sub> )OCF	100 ppm	1.6 ppm
HT-135 CF <sub>3</sub> ((OC <sub>3</sub> F <sub>6</sub> ) <sub>n</sub> (OCF <sub>2</sub> ) <sub>m</sub> )OCF	100 ppm	3.1 ppm

Gas	Gas Applied	Reading
HT-200 CF <sub>3</sub> ((OC <sub>3</sub> F <sub>6</sub> ) <sub>n</sub> (OCF <sub>2</sub> ) <sub>m</sub> )OCF	100 ppm	2.4 ppm
Halocarbon 22 (CHClF <sub>2</sub> )	20 ppm	Over Scale
Halocarbon 123 (C <sub>2</sub> HCl <sub>2</sub> F <sub>3</sub> )	50 ppm	Over Scale
Hydrogen Chloride (HCl)	4 ppm	0 ppm (over scale after 5 min)
Hydrogen Fluoride (HF)	6 ppm	0 ppm (0.5 ppm after 5 min)
Isopropyl Alcohol (IPA) ((CH <sub>3</sub> ) <sub>2</sub> CHOH)	1% vol	0 ppm
Methanol (CH <sub>3</sub> OH)	1% vol	0 ppm