

# DrägerSensor<sup>®</sup> XS HF/HCl

P/N 6809140

<b>Gases qualified to measure:</b>	<u>Name</u>	<u>Display Symbol</u>	<u>Relative Response</u>
	Hydrogen Chloride, HCl	HCl	1.00
	Hydrogen Fluoride, HF	HF	0.66
	Nitric Acid, HNO <sub>3</sub>	HNO <sub>3</sub>	1.00
	Hydrogen Bromide, HBr	HBr	1.00
	Phosphorous Trichlorideoxide, POCl <sub>3</sub>	POCl	1.00
	Phosphorous Trichloride, PCl <sub>3</sub>	PCl <sub>3</sub>	3.00

**Compatible Instruments:** Pac III Monitor only  
 Requires special sensor cap (P/N 4530342) for operation  
 Cap is provided with the sensor

**Measuring Ranges:**  
 Maximum: 0 to 30.0 ppm HF / HCL  
 Standard: 0 to 20.0 ppm HF / HCL  
 Minimum: 0 to 10.0 ppm HF / HCL

**Response Time:** 50% response to exposed concentration in less than 60 seconds

**Accuracy:** +/- 20% of Maximum Full Scale Value or better

**Display Resolution:** 0.1 ppm

**Environmental Conditions:**  
 Temperature: -4 to 104 °F (-20 to 40 °C), continuous operation  
 -4 to 122 °F (-20 to 50 °C), short duration  
 Service life can be reduced if exposed to high temperatures  
 Humidity: 30 to 90 %RH, continuous operation  
 20 to 95 %RH, short duration  
 Pressure: 20.7 to 38.4 inches Hg (700 to 1300 mbar)  
 Note: Rapid changes in environmental conditions may cause temporary fluctuations in the sensor reading

**Cross-Sensitivities:**  
 Positive Effects: Cl<sub>2</sub>, HCN, SO<sub>2</sub>, NO and other acidic gases.  
 Note: Other gases may have an influence on the sensor

**Calibration Frequency:**  
 Required: 3 months  
 Recommended: 1 month

**Calibration Gas:**  
 Required: Hydrogen Chloride or Hydrogen Fluoride  
 Concentration: 40 to 100% of measuring range  
 Minimum: 1 ppm

**Compatible Filters:** Do not use any type of filter with the HF/HCL Sensor

**Warranty Period:** 12 months