



### SGX-HF-10 Hydrogen Fluoride Sensor

SGX has introduced a new electrochemical gas sensor used to detect hydrogen fluoride, the **SGX-HF-10**. This sensor will detect hydrogen fluoride (hydrofluoric acid) from 0 to 10 ppm, with a sensitivity of 350 nA/ppm. These sensors have a wide temperature range, and a double sealed housing for leakage protection, while still packaged in a Mod4 (20 mm) housing.



**SGX-HF-10**

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### Description

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### Additional Features Include:

- |                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Small size</li> <li>• Wide temperature range</li> <li>• Low cross sensitivity</li> <li>• High selectivity</li> <li>• High sensitivity</li> <li>• Excellent sensitivity at low temperatures</li> <li>• Double sealed housing for advanced leakage protection</li> </ul> | <ul style="list-style-type: none"> <li>• 0mV Bias Voltage</li> <li>• Excellent Sensitivity at low Temperatures</li> <li>• Stable zero point</li> <li>• 20 ppm Maximum overload</li> <li>• Good cross sensitivity rejection</li> <li>• -200 to 550 °C Operating temperature</li> </ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Key Applications:

- |                                                                                                                              |                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Gas measurement equipment</li> <li>• Leak detection</li> <li>• Emissions</li> </ul> | <ul style="list-style-type: none"> <li>• Environmental air monitoring</li> <li>• Power Transformer Failure</li> <li>• TLV-monitoring</li> </ul> |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

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#### **About SGX Sensortech**

For more than 50 years, **SGX Sensortech**, has remained at the forefront of air quality sensors and modules. Our innovative products have helped protect the occupants of cars from deteriorating air quality whilst driving through polluted cities, reduced the cost of air conditioning in buildings and made the work environment a safer place from flammable and toxic hazards. SGX Sensortech delivers high quality products, underpinned by excellent application support and customer service. Please note that all parts are shipped from the United States.

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#### **Category**

1. Ewave
2. Sensors and Wireless
3. SGX Sensortech Limited

#### **Date Created**

March 28, 2022

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