

SGX Sensortech Solid Polymer Electrolyte Gas Sensors at CDI

Description

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SGX Sensortech
Solid Polymer Electrolyte Gas Sensors



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SGX Sensortech introduces the latest product offering, the **PS1 Series** electrochemical sensor. The PS1 series senso based on the principle of electrochemical catalytic reaction. The sensor responds to the target gas and delivers a very small current that is proportional to the gas concentration.

The **SGX Solid Polymer Sensors** have a dry core design of three electrodes in contact with the solid electrolyte. A typ electrode consists of a surface area of precious metal and other materials. The electrode, electrolyte and the surroundi air are in contact while the gas diffuses through the back of the porous membrane into the working electrode of the sens At this working electrode, the gas is oxidized or reduced. This electrochemical reaction causes a current to flow. This technology has qualities that other electrochemical sensors, do not.

Advantages of Solid Polymer Sensors

- Wider temperature ranges: -400Â°C to 550Â°C
- High Humidity: 15 to 95% RH
- Longer Lifetime: Industrial applications >3 years
- Non-industrial applications, indoor 5 to 10 years
- High Volume Production â€“ Sensor printed on Ceramic Substrate
- Gas types: CL2, CO, H2S, HCN, HCHOH2, NO2, O2, O3, VOC, SO2, and SMOKE

All the parts are fully calibrated and amplified. These sensor boards are available with an evaluation method that include software and a mating UART-SUB Cable.

Request a Quote

CDI works continuously with our vendor partners to connect our customers to products and solutions that accelerate the time to market. CDI will leverage its product knowledge, technical expertise, and evaluation tools to find the right solution for your design.

For more information, or to learn how we can help drive your success, please visit **www.cdiweb.com** or email us at **sales@cdiweb.com**.

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 protected 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 gas 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.

About Component Distributors, Inc. (CDI)

Component Distributors, Inc. (CDI) is a value-added distributor of high-performance LED, Power, RF & Microwave, Wireless and Sensor component technologies. CDI distributes globally and provides local application support and custo service across the Americas.

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Component Distributors, Inc. (CDI)
Email: sales@cdiweb.com Toll-Free: 1-800-777-7334

Category

1. Ewave
2. Sensors and Wireless
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Author
cdiwebadmin