



SGX Sensortech – PID VOC Gas Sensors

SGX introduces their complete line of Photo Ionization sensors (PID Sensors). Ions are detected at a pair of electrodes where changing current is proportion to concentration. The SGX PID sensors are using the Ion Science® technology and are designed to offer the most accurate method to detect VOCs in the PPM (parts per million) and PPB (parts per billion) range. SGX PIDs are not cross sensitive to common atmospheric gasses (CO₂, CO, SO_x, NO_x, water vapor). Furthermore, it offers high humidity resistance and long-term (temperature) stability.



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Description

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The Following Parts Are Available From SGX

Part No.	Description
PID-10.6eV-10KA	PID sensor 10.6eV lamp, MDL 500ppb, Range 10Kppm, 3.2 to 3.6V supply
PID-10.6eV-10KB	PID sensor 10.6eV lamp, MDL 500ppb, Range 10Kppm, 3.6 to 10V supply
PID-10.6eV-4KA	PID sensor 10.6eV lamp, MDL 100ppb, Range 4Kppm, 3.2 to 3.6V supply
PID-10.6eV-4KB	PID sensor 10.6eV lamp, MDL 100ppb, Range 4Kppm, 3.6 to 10V supply
PID-10.6eV-200A	PID sensor 10.6eV lamp, MDL 20ppb, Range 200ppm, 3.2 to 3.6V supply
PID-10.6eV-200B	PID sensor 10.6eV lamp, MDL 20ppb, Range 200ppm, 3.6 to 10V supply
PID-10.6eV-40A	PID sensor 10.6eV lamp, MDL 1ppb, Range 40ppm, 3.2 to 3.6V supply
PID-10.6eV-40B	PID sensor 10.6eV lamp, MDL 1ppb, Range 40ppm, 3.6 to 10V supply
PID-10.6eV-3A	PID sensor 10.6eV lamp, MDL 0.5ppb, Range 3ppm, 3.2 to 3.6V supply
PID-10.6eV-3B	PID sensor 10.6eV lamp, MDL 0.5ppb, Range 3ppm, 3.6 to 10V supply

PID-10.0eV-100A	PID sensor 10.6eV lamp, MDL 5ppb, Range 100ppm, 3.2 to 3.6V supply
PID-10.0eV-100B	PID sensor 10.6eV lamp, MDL 5ppb, Range 100ppm, 3.6 to 10V supply

SGX PID Sensor Crosses

Competition Product Group	Competition Part Number	SGX Part Number	Description
PID-A12 (ppm)	011-0B22-A12	PID-10.6eV-4KA	PID sensor 10.6eV lamp, MDL 100ppb, Range 4Kppm, 3.2 to 3.6V supply
	011-0U22-A12	PID-10.6eV-4KB	PID sensor 10.6eV lamp, MDL 100ppb, Range 4Kppm, 3.6 to 10V supply
PID-AH2 (ppb)	011-0B22-AH2	PID-10.6eV-40A	PID sensor 10.6eV lamp, MDL 1ppb, Range 40ppm, 3.2 to 3.6V supply
	011-0U22-AH2	PID-10.6eV-40B	PID sensor 10.6eV lamp, MDL 1ppb, Range 40ppm, 3.6 to 10V supply
PID-A12 WR (ppm)	011-0B34-AW	PID-10.6eV-10KA	PID sensor 10.6eV lamp, MDL 500ppb, Range 10Kppm, 3.2 to 3.6V supply
	011-0U34-AW	PID-10.6eV-10KB	PID sensor 10.6eV lamp, MDL 500ppb, Range 10Kppm, 3.6 to 10V supply
PID-AX/HS	011-0B28-AX	PID-10.6eV-3A	PID sensor 10.6eV lamp, MDL 0.5ppb, Range 3ppm, 3.2 to 3.6V supply
	011-0U28-AX	PID-10.6eV-3B	PID sensor 10.6eV lamp, MDL 0.5ppb, Range 3ppm, 3.6 to 10V supply

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 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 customer service across the Americas.

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

Category

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

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Author

cdiwebadmin

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