



## S29 - MICROPNP ETHYLENE OXIDE GAS SENSOR

### PRODUCT DESCRIPTION

The MicroPnP™ Ethylene Oxide (VOC) Gas Sensor (**S29**) provides the ability to measure ethylene oxide concentrations using a dedicated gas sensor. Next to Ethylene Oxide, the sensor is also sensitive to other substances such as Carbon Monoxide, various alcohols and hydrocarbons, Vinyl Chloride, Vinyl Acetate, Formic Acid and Acrylonitrile. On-board humidity, pressure and temperature sensing can be used for in-the-field calibration purposes. A battery is used to maintain the sensor biased when unpowered. This enables quick settling and measurements after power-up.

### MICROPNP PERIPHERALS

MicroPnP Peripherals are self-identifying sensors and actuators that connect to MicroPnP Wireless Devices to provide plug-and-play sensing and control.

The MicroPnP software automatically installs and configures all drivers, eliminating the cost and complexity of deploying an IoT network.

### APPLICATIONS

Easy, flexible and accurate monitoring of ethylene oxide (or equivalent gases) concentrations using the SGX-EC4-10-ETO sensor. Other gas sensors can be integrated on request.

### CORE COMPONENTS

The **S29** uses the SGX-EC4-10-ETO sensor, for more information please visit: [SGX-EC4-10-ETO.pdf](#)

The **S29** has a humidity, pressure and temperature sensor on-board. This is used for increased accuracy during gas sensing.

### S29 CHARACTERISTICS

Characteristic	Value	Unit
Range	0 - 10	ppm
Accuracy	0.1	ppm
Response time (T <sub>90</sub> )	120	s
Temperature range	-20 to +50	°C
Pressure range	900 to 1100	hPa
Humidity range (non-condensing)	15 to 90	% RH
Battery type	CR1025	

### RELATED PRODUCTS

Item **S29** requires a and a MicroPnP Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the MicroPnP catalog:

[versasense.com/files/VersaSense-Catalog.pdf](http://versasense.com/files/VersaSense-Catalog.pdf)

### INFORMATION/SUPPORT

Web: [www.versasense.com](http://www.versasense.com)

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