



S27 - MICROPNP OXYGEN GAS SENSOR

PRODUCT DESCRIPTION

The MicroPnP™ Oxygen Gas (O₂) Sensor (**S27**) provides the ability to measure oxygen concentrations using a dedicated gas sensor. On-board humidity, pressure and temperature sensing can be used for in-the-field calibration purposes.

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 oxygen concentrations using the SGX-4OX gas sensor. Other gas sensors can be integrated on request.

CORE COMPONENTS

The **S27** uses the SGX-4OX oxygen sensor from SGX Sensortech, for more information please visit: [SGX-4OX.pdf](#)

The **S27** has a humidity, pressure and temperature sensor on-board. This is used for increased accuracy during gas sensing.

S27 CHARACTERISTICS

Characteristic	Value	Unit
Range	0-25	% O ₂
Accuracy	0.1	% O ₂
Response time (T ₉₀)	< 15	s
Temperature range	-30 to +50	°C
Pressure range	800 to 1200	mbar
Humidity range (non-condensing)	5-95	% RH

RELATED PRODUCTS

Item **S27** requires 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

INFORMATION/SUPPORT

Web: www.versasense.com

Sales: sales@versasense.com

Help: support@versasense.com

Other: info@versasense.com

Post: VersaSense NV, Kapeldreef 60, 3001 Leuven, Belgium.