

% Oxygen Sensor

Model: SRX-CGP-21

SRX-CGP-21 Oxygen Sensor is a galvanic type micro fuel cell specific to oxygen. Its innovative design with electro-etched sensing cathode provides with extremely smooth sensing surface for excellent signal stability. Proprietary electrolyte formulation ensures full utilization of Pb anode, thus providing longer life without signal drift and minimizing periodic calibration requirement. Sensor is designed, developed and manufactured in the USA.

SRX-CGP-21 replaces: IT Gambert P-21



Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 % Oxygen
Signal Output ¹	140-260 uA
Response Time T90	13 seconds
Accuracy ²	+/- 1% of signal
Drift ²	< 2%
Linearity	+/- 1%
Repeatability	+/- 0.5%
Temperature Coefficient	2.0% / °C
Operating Temperature	0 to 50°C
Storage Temperature	5 to 25°C max 45°C
Recommended Flow Rate	0.5 - 5 SCFH
Humidity Non-Condensing	0 - 99% RH
Expected Life ³	75,000 Vol % h
Recommended Storage	3 months
Warranty ⁴	75,000 Vol % h
PCB Connections	Center Negative Outer Positive

Note: SRX-CGP-21 is packaged in a polyethylene bag which is then placed in 4"x3"x2" box. Do not expose sensor to temperatures above 50°C for extended period of time. Failure to do so may have negative impact on its performance and life.

1. Signal Output measured in air at 25°C at atmospheric pressure.
2. At constant temperature and pressure.
3. At operating temperature under 35°C and atmospheric pressure.
4. AST warrants the sensor for 12 months to be free from defects in materials and workmanship. AST will not be held liable for sensor damaged due to customer neglect.

* Specifications are validated during design and are subject to change without notice.