

% Oxygen Sensor

Model: SRZ-CGP-21A

SRZ-CGP-21A 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 offers excellent compatibility with sample gas containing acid gases such as CO₂, traces levels of H₂S and SO₂. Sensor is designed, developed and manufactured in the USA.

SRZ-CGP-21A replaces: IT Gambert P-21A

Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0.1 to 25 % 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 45°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: SRZ-CGP-21A is packaged in a polyethylene bag which is then placed in 4"x3"x2" box. Do not expose sensor to temperatures above recommended temperature 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 and 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 9 months to be free from defects in materials and workmanship. AST will not be held liable for sensor damaged due to customer neglect or misuse.

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