

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

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



Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output ¹	140 to 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: GS-21-P is packaged in a polyethylene bag which is then placed in 4" x 3" x 2" box. Do not expose sensor to temperatures above 50°C for an extended period. Doing so may have a 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. AUT warrants the sensor for 12 months to be free from defects in materials and workmanship. AUT will not be held liable for sensor damaged due to customer neglect.

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