

GS-120-A 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. This sensor has characteristics similar to the SRX-CA32 but lower signal output, making it suitable for measuring high levels of oxygen (up to 100% oxygen, see conditions below). Sensor is designed and developed in the USA and manufactured in Taiwan.



GS-120-A replaces: Analytical Industries Inc., GPR-11-120
AST SRX-CA120

Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output ¹	16 to 25 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 35°C
Recommended Flow Rate	0.5 - 5 SCFH
Humidity Non-Condensing	0 - 99% RH
Expected Life ³	120 months
Recommended Storage	6 months
Warranty ⁴	12 months
PCB Connections	Center Negative Outer Positive

Note: GS-120-A 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 ambient temperature and pressure, and oxygen content less than 21%.
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.