

## % Oxygen Sensor

### Model: SRX-CA120

SRX-CA120 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. This sensor has similar characteristics as of SRX-CA32 but lower signal output, making it suitable for measuring high levels of oxygen (upto 100% oxygen, see conditions below). Sensor is designed, developed and manufactured in the USA.

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

### Specifications\*



Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output <sup>1</sup>	16-25 uA
Response Time T90	13 seconds
Accuracy <sup>2</sup>	+/- 1% of signal
Drift <sup>2</sup>	< 2%
Linearity	+/- 1%
Repeatability	+/- 0.5%
Temperature Coefficient	2.0% / °C
Operating Temperature	0 to 50°C
Storage Temperature	5to 35°C
Recommended Flow Rate	0.5 - 5 SCFH
Humidity Non-Condensing	0 - 99% RH
Expected Life <sup>3</sup>	120 months
Recommended Storage	6 months
Warranty <sup>4</sup>	12 months
PCB Connections	Center Negative Outer Positive

Note: SRX-CA120 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 ambient temperature and pressure, and oxygen content less than 21%.
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.