

## % Oxygen Sensor

### Model: SRZ-CA24-4

SRZ-CA24-4 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 acid gases such as CO<sub>2</sub> in any concentration. This sensor is designed, developed and manufactured in the USA.

SRZ-CA24-4 replaces: Analytical Industries Inc. XLT-11-24-4



### Specifications\*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output <sup>1</sup>	35-60 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>	24 months
Recommended Storage	6 months
Warranty <sup>4</sup>	12 months
PCB Connections	MAC-4MR-4 Connector

Note: SRZ-CA24-4 is packaged in a polyethylene bag. 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 or misuse.

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