

## % Oxygen Sensor

### Model: SRZ-CT15

SRZ-CT15 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 CO<sub>2</sub>, traces levels of H<sub>2</sub>S and SO<sub>2</sub>. Sensor is designed, developed and manufactured in the USA.

**SRZ-CT15 replaces:** Teledyne A3/A5, All XLT-11-15  
GE Panametrics OX4, AMI P3



### Specifications\*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0.1 to 25 % Oxygen
Signal Output <sup>1</sup>	105- 260 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 45°C
Storage Temperature	5 to 35°C max 45°C
Recommended Flow Rate	0.5 - 5 SCFH
Humidity Non-Condensing	0 - 99% RH
Expected Life <sup>3</sup>	12 months
Recommended Storage	3 months
Warranty <sup>4</sup>	9 months
PCB Connections	Center Negative Outer Positive

Note: SRZ-CT15 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, atmospheric pressure and oxygen content in sample gas is less than 21%.
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.