

## % Oxygen Sensor

### Model: SRZ-CF25F1

SRZ-CF25F1 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. Acidic electrolyte formulation makes it compatible with CO<sub>2</sub>, longer life without signal drift and minimizes periodic calibration requirement. Sensor is designed, developed and manufactured in the USA.

SRZ-CF25F1 replaces: FIGURO KE-25F1

### Specifications\*



Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output <sup>1</sup>	10-15.5 mV
Response Time T90	12 seconds
Accuracy <sup>2</sup>	+/- 1% of signal
Drift <sup>2</sup>	< 2%
Linearity	+/- 1%
Repeatability	+/- 0.5%
Temperature Coefficient	NONE - signal output is temperature compensated
Operating Temperature	0 to 40°C
Recommended Storage Temperature	5 to 35°C - Intermittent exposure upto 50° C acceptable
Recommended Flow Rate	0.5 - 5 SCFH
Humidity Non-Condensing <sup>2</sup>	0 - 98% RH
Expected Life <sup>3</sup>	60 months
Recommended Storage	6 months
Warranty <sup>4</sup>	12 months
Electrical Connections	Two 22 guage wires
Front	Hex Slip-on

Note: SRZ-CF25F1 is without flange top. 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, atmospheric pressure.
2. At constant temperature and pressure; for each %RH increase, O<sub>2</sub> signal will drop equivalent to 0.03% oxygen.
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.