APPLIED SENSING TECHNOLOGIES

% Oxygen Sensor

Model: SRX-CT-F3

SRX-CT-F3 Oxygen Sensor is a galvanic type micro fuel cell specific to oxygen. Propriatory electrolyte in combination with unique anode structure ensures full utilization of the anode and provides with excellent signal stability. and longer life without signal drift thus minimizes periodic calibration requirement. Sensor is designed, developed and manufactured in the USA.

SRX-CT-F3 Replaces: FIGARO KE-25F3

Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output[1]	10-15.5 mV
Response Time T90	12 seconds
Accuracy [2]	+/- 1% of signal
Drift [2]	< 2%
Linearity	+/- 1%
Repeatability	+/- 0.5%
Temperature Coefficient	NONE - signal output 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[2]	0 - 98% RH
Expected Life[3]	60 months
Recommended Storage	6 months
Warranty[4]	12 months
Electrical Connections	Two 22 guage wires
Front	M16 x 1 Thread

Note: SRX-CT-F3 is designed for breathing equipment, user must verify its compatibility with intended equipment. For optimal accuracy, sensor must be calibrated before each use and 24 hour after continuous use in oxygen above 90%. Do not expose sensor 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_2 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.

(909) 517 0037
info@appliedsensing.com
www.appliedsensing.com

13905 Ramona Ave. Ste E Chino, CA 91710 USA