APPLIED SENSING TECHNOLOGIES

% Oxygen Sensor

Model: SRX-CT21

SRX-CT21 % Oxygen Sensor is a galvanic type micro fuel cell specific to oxygen. Its innovative design with proprietary electrolyte formulation ensures full utilization of Pb anode, thus providing longer life without signal drift and minimizing frequent calibration requirement. Sensor is designed, developed and manufactured in the USA.

SRX-B1 replaces: Teledyne B1, AII PSR-11-21, AMI P-1

Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 % Oxygen
Signal Output[1]	322-598 uA
Response Time T90	7 seconds
Accuracy [2]	+/- 1% of signal
Drift[2]	< 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[3]	12 months
Recommended Storage	6 months
Warranty[4]	9 months
PCB Connections	Center Negative Outer Positive

Note: SRX-CT21 is packaged in a polyethylene. 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 and at atmospheric pressure.
2. At constant temperature and pressure.
3. At operating temperature uder 25°C, atmospheric pressure and oxygen content in sample gas 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.

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

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