

% 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 and super-charged anode ensures full utilization of Pb anode, thus providing longer life without signal drift and minimizing frequent calibration requirement. Sensor is designed, developed and

SRX-CT21 replaces: Teledyne B1/B1C
All PSR-11-21,
Advanced Micro Instruments 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 under 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.