

% Oxygen Sensor

Model: SRX-CA120-RTS

SRX-CA12-RTS Oxygen Sensor is a galvanic type micro fuel cell specific to oxygen. Proprietary electrolyte formulation and unique anode structure ensures full utilization of Pb anode, thus providing longer life in 100 % oxygen without signal drift and minimizing frequent calibration requirement. Expected sensor life in air 10 years. Sensor is designed, developed and manufactured in the USA.

SRX-CA120-RTS Replaces: Analytical Industries Inc.,
Model GPR-11-120-RTS

Specifications*



Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output ¹	16-30 uA
Response Time T90	13 seconds
Accuracy ²	+/- 1% of signal
Drift ²	< 0.2%
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	24 months
Recommended Storage	6 months
Warranty ⁴	12 months
PCB Connections	Phone Jack

Note: 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 at atmospheric pressure.
2. At constant temperature and pressure, after calibration with 100% oxygen.
3. At ambient temperature and pressure, and oxygen content upto 100%.
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.