

% Oxygen Sensor

Model: SRX-CT-KE4

SRX-CT-KE4 Oxygen Sensor is a galvanic type micro fuel cell specific to oxygen. Its innovative design with proprietary Pb anode structure provides with excellent stability and ensures full utilization of the anode without signal drift thus minimizing periodic calibration requirement. Sensor is designed, developed and manufactured in the USA.

SRX-CT-KE4 Replaces: Maxtec MAX-250K
All PSR-11-75-KE4

Specifications*



Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output ¹	10-15.5mV
Response Time T90	13 Seconds
Accuracy ²	+/- 1% of signal
Drift ²	< 2%
Linearity	+/- 1%
Repeatability ²	+/- 0.5%
Temperature Coefficient	Embedded thermistor
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	36 months
Recommended Storage	6 months
Warranty ⁴	12 months
PCB Connections	Male Jack with 4" wires

Note: SRX-CT-KE4 is designed as a component for breathing equipment, user must verify its compatibility with intended equipment . For optimal accuracy, sensor must be calibrated before each use and after 24 hours of continuous use in oxygen above 90%. Donot expose sensor above 50°C, 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.
3. At ambient temperature and pressure, and oxygen content less than 35%.
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.