APPLIED SENSING TECHNOLOGIES

% Oxygen Sensor

Model: SRX-CT-KE7

SRX-CT-KE7 Oxygen Sensor is a galvanic type micro fuel cell specific to oxygen. Its innovative design with proprietary super activated 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-KE7 Replaces:	MAXTEC	MAX-250
	AII	PSR-11-75KE7

Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0 to 100 Percent Oxygen
Signal Output[1]	10-15 mV in Air
Response Time T90	9 seconds
Accuracy [2]	+/- 2% of signal
Drift [2]	< 2%
Linearity	+/- 1%
Repeatability [2]	+/- 0.5%
Gas Connection	M16 x 1 mm Threaded Front
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
Electrical Connection	5.6 x 2.5 mm Power Jack - Center Positive

Note: SRX-CT-KE7 is designed as a component for breathing air equipment, user must verify its compatibility with intended equipment . For optimal accuracy, sensor must be calibrated before each use and after 24 hors of continuous use in oxygen above 90%.. Do not expose sensor above 50^{0}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 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.

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