APPLIED SENSING TECHNOLOGIES

PPM Oxygen Sensor

Model: SRX-MA333

SRX-MA333 PPM Oxygen Sensor is a galvanic type micro fuel cell specific to oxygen. Its innovative design with electro-etched sensing cathode provides with extremely smooth sensing surface for excellent signal stability, very low noise and drift. Proprietary electolyte formulation enhances sensor perfromance at extreme ends of recommended operating temperature range. Sensor is designed, developed and manufactured in the USA.

SRX-MA333 replaces: All GPR-12-333

Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0.1 to 10,000 PPM
Signal Output[1]	420- 780 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 45°C
Storage Temperature	0 to 45°C
Recommended Flow Rate	0.5 - 5 SCFH
Humidity Non-Condensing	0 - 99% RH
Expected Life[3]	18 months
Recommended Storage	6 months
Warranty[4]	12 months
PCB Connections	Center Negative Outer Positive

Note: SRX-MA333 is packaged in a metalized bag under nitrogen which is then placed in 4"x3"x2" box. Use sensor immediately after removing from the sealed bag. After removing, do not leave sensor in air for extended period of time. Failure to do so may have negative impact on its performance and operating life.

1. Signal Output measured in air at 25°C and at atmospheric pressure.
2. At constant temperature and pressure.
3. At operating temperature less than 35°C, atmospheric pressure and oxygen content in sample gas less than 10,000 ppm.
4. AST warrants the sensor to be free from defects in materials and workmanship. AST will not be held liable for sensor damaged due to customer neglect and misuse.

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

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