

PPM Oxygen Sensor

Model: SRX-MT22

SRX-MT22 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. Proprietary electrolyte formulation enhances sensor performance at extreme ends of recommended temperature range. Coiled shape anode eliminates the possibility of air bubble entrapment in typical crushed Pb granulars anode thus resulting spike free oxygen signal. Sensor is designed, developed and manufactured in the USA.

SRX-MT22 replaces: Teledyne B2/B2-C, All: PSR-12-223
AMI T2, GE OX1



Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	1 to 10,000 PPM
Signal Output ¹	285 - 625 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-MT22 is packaged in a metalized bag which is then placed in 4"x3"x2" box. Use sensor immediately after removing from 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 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 and atmospheric pressure, oxygen content in sample is under 10,000 ppm.
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 or misuse.

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