

PPM Oxygen Sensor

Model: SRZ-MT12

SRZ-MT12 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 offers excellent compatibility with sample gas containing acid gases such as CO₂, traces levels of H₂S and SO₂. Sensor is designed, developed and manufactured in the USA.

SRZ-MT12 replaces: Teledyne A2/A2C, AII XLT-12-123, AMI T4, GE OX2



Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0.1 to 1000 PPM
Signal Output ¹	285 - 625 μ A
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	3 months
Warranty ⁴	12 months
PCB Connections	Center Negative Outer Positive

Note: SRZ-MT12 is packaged in a metalized bag 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 life.

1. Signal Output measured in air at 25°C and at atmospheric pressure.
2. At constant temperature and pressure.
3. At operating temperature under 35°C, atmospheric pressure and oxygen content in sample gas less than 1,000 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.