

PPM Oxygen Sensor

Model: SRX-MT22-XL

SRX-MT22-XL PPM Oxygen Sensor is a galvanic type micro-fuel cell specific to oxygen is a drop-in replacement to Teledyne B-2CXL. Proprietary electrolyte formulation enhances sensor performance at extreme ends of recommended temperature range and offers quick recovery to low PPM level after oxygen surge. Sensor is designed, developed and manufactured in the USA.



SRX-MT22-XL replaces: Teledyne B2C-XL

Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Optimum Measuring Range	0 to 10 PPM
Signal Output ¹	460 - 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-XL is packaged in a metalized bag filled with nitrogen. 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.