

PPM Oxygen Sensor

Model: SRX-MTL-2C

AST Model SRX-MTL-2C Trace PPM O₂ sensor is a drop-in replacement to Teledyne Model C6689-L-2C oxygen sensor. This sensor has a larger electrolyte reservoir and hence offer a much longer sensor life compared to the standard PPM O₂ sensor. This sensor is ideal for very dry gas streams and gas streams at temperature above 30 degree Celsius. Sensor is designed, developed and manufactured in the USA.

**AST Model SRX-MTL-2C Replaces: Teledyne
L-2C Part# C06689-L2C**



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	-2.2% / °C
Operating Temperature	5 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	24 months
Recommended Storage	6 months
Warranty ⁴	12 months
PCB Connections	Center Negative, Outer Positive
Size	1.25x1.25

Note: AST Model SRX-MTL-2C is packaged in a metalized bag filled with nitrogen. Use immediately after removing from sealed bag. This sensor is recommended for inert and gaseous hydrocarbons gas streams. For gas streams containing CO₂, use AST Model SZX-MTL-2C

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 30°C, at atmospheric pressure, and oxygen content 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.