APPLIED SENSING TECHNOLOGIES

PPM Oxygen Sensor

Model: SRX-MT22

SRX-MT22 PPM Oxygen Sensor is a galvanic type micro fuel cell specific to oxygen and is a drop-in replacement to Teledyne Part # C6689-B2C and other PPM O2 sensors. Recommended for O2 measurement in inert and hydrocarbon gases including hydrogen. Shows excellent recovery from air to low PPM O2 and long term stability. Sensor is designed, developed and manufactured in the USA.



SRX-MT22 Replaces:

Teledyne	C6689-B2C
AII	PSR-12-223
AMI	T2
GE	OX1
Southland Sensing	TO2-1X

Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	Minimum 0-1 PPM, Maximum 0-10,000 PPM
Signal Output[1]	285 - 598 uA
Response Time T90	7 seconds
Accuracy[2]	+/- 1% of Full Scale Range Selected
Drift[2]	< 2%
Linearity	+/- 1%
Repeatability	+/- 0.5%
Temperature Coefficient	-2.54% / °C
Operating Temperature	0 to 50°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	Maximum 6 months
Warranty[4]	12 months
PCB Connections	Center Negative, Outer Positive
Dimensions	1.25" X 0.77"

Note: SRX-MT22 Recommended for inert and hydrocarbon gases including hydrogen. Sensor is packaged in a metalized bag under nitrogen. Do not puncture the sealed bag. Use sensor immediately after removing from bag. 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, atmospheric pressure and, 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 and any consequential damage.

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

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