

PS-22-HP PPM Oxygen Sensor is a galvanic type micro-fuel cell specific to oxygen. It 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. The sensor was designed and developed in the USA and is manufactured in Taiwan.

PS-22-HP replaces: Teledyne B2C-XL: AST SRX-MT-22-XL



Specifications*

Sensor Technology	Galvanic Type Micro Fuel Cell
Measuring Range	0.1 to 10 PPM
Signal Output ¹	460 to 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: PS-22-HP 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 an extended period. Doing so may have a 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. AUT warrants the sensor for 12 months to be free from defects in materials and workmanship. AUT 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.