

# PSR, XLT, GPR, Teledyne

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# PSR-12-223\_L replaces Teledyne L-2 and L2C ppm oxygen sensor

PSR-12-223-L



## OEM Equipment:

Teledyne 3000 TA/TA-XL/TB

Teledyne Insta Trans

Teledyne OT-3

Teledyne L-2, L-2C Sensors

PSR-12-223\_L replaces Teledyne L-2 and L2C ppm oxygen sensor. This advanced galvanic type oxygen sensor offers excellent stability and accuracy under stringent applications. All sensors are subjected to the most extensive stability test. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

## Technical Specifications

Measuring Range	0-100%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	295 - 625 uA
Linearity	+/-2% of Full Scale
Response T90	7 sec
Temp Coefficient	compensated
Operating Temp	0 to 45oC
Recommended Storage <sup>3</sup>	0 to 25oC

Temperature Coefficient	Compensated
Shelf Life <sup>4</sup>	6 months
Humidity Non-condensing	0-99% RH
Expected Life	18-24 months
Warranty <sup>5</sup>	12 months
Electrical Connector	2 Ring Gold Disk

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# XLT-12-123, replaces A2C, OX2 & T2

## XLT-12-123 PPM Oxygen Sensor-Replacement for A2C, OX2 and T2



### OEM Equipment:

AMI T2 Sensor

GE Sensing Panametrics OX-2 Sensor

Teledyne A-2, A-2C Sensors

XLT-12-123, replaces A2C, OX2 & T2, This PPM oxygen sensor is galvanic type oxygen sensor with excellent stability and accuracy under stringent applications. All sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

\*\*\*Recommended in gas mixtures with CO<sub>2</sub> > 0.5%

### Technical Specifications

Measuring Range	0-25%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	295 - 625 uA
Linearity	+/-2% of Full Scale
Response T90	7 sec
Temp Coefficient	un-compensated
Operating Temp	0 to 45°C
Recommended Storage <sup>3</sup>	0 to 25°C
Temperature Coefficient	Compensated

Shelf Life <sup>4</sup>	6 months
Humidity Non-condensing	0-99% RH
Expected Life	18-24 months
Warranty <sup>5</sup>	12 months
Electrical Connector	2 Ring Gold Disk

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# XLT-11-15 replaces A-3, A-5 , OX-4 and P3 % oxygen sensor

XLT-11-15 % Oxygen sensor



**OEM Equipment:**

- AMI P3 Sensor
- GE Sensing Panametrics OX-4 Sensor
- Teledyne A-3, A-5

XLT-11-15 replaces A-3, A-5 , OX-4 and P3 % oxygen sensor. This galvanic type oxygen sensor offers excellent stability and accuracy in gas mixtures containing any level of CO<sub>2</sub>. All sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

Technical Specifications	
Measuring Range	0-100%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	165 - 235 uA
Linearity	+/-2% of Full Scale
Response T90	30 sec
Temp Coefficient	compensated
Operating Temp	0 to 45oC
Recommended Storage <sup>3</sup>	0 to 25oC
Temperature Coefficient	un-compensated

Shelf Life <sup>4</sup>	6 months
Humidity Non-condensing	0-99% RH
Expected Life	15 months
Warranty <sup>5</sup>	12 months
Electrical Connector	2 Ring Gold Disk

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# Replacement for B1 Oxygen Sensor

## PSR-11-21

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### OEM Equipment:

AMI P2 Sensor

GE Sensing Panametrics OX-3 Sensor

Teledyne B-1 Sensor

PSR-11-21 replaces B1 OX3 and P2 oxygen sensors. Advanced galvanic type % oxygen sensor offers excellent stability and accuracy under stringent applications. All oxygen sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of % oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

### Technical Specifications

Measuring Range	0-100%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	295-625 uA
Linearity	+/-2% of Full Scale
Response T90	7 sec
Temperature Coefficient	Compensated
Operating Temp	0 to 45°C
Recommended Storage <sup>3</sup>	0 to 25°C
Temperature Coefficient	Non-Compensated
Shelf Life <sup>4</sup>	6 months



Humidity Non-condensing	0-99% RH
Expected Life	12 months
Warranty <sup>5</sup>	9 months
Electrical Conn	2 Ring Gold Disk

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# PSR-12-223 ppm oxygen sensor

## PSR-12-223

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**OEM Equipment:**

- AMI T1
- GE Sensing Panametrics OX-1
- Teledyne B-2/C/CAP/C-XL
- Teledyne M-2
- Teledyne S-2
- Teledyne Z-2

PSR-12-223 This advanced galvanic type oxygen sensor offers excellent stability and accuracy under stringent applications. All sensors are subjected to the most extensive stability test. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

Technical Specifications	
Measuring Range	0-10 PPM Oxygen
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	295 - 625 uA
Linearity	+/-2% of Full Scale
Response T90	7 sec
Temp Coefficient	compensated
Operating Temp	0 to 45oC
Recommended Storage <sup>3</sup>	0 to 25°C
Temperature Coefficient	Compensated

Shelf Life <sup>4</sup>	6 months
Humidity Non-condensing	0-99% RH
Expected Life	18-24 months
Warranty <sup>5</sup>	12 months
Electrical Connector	2 Ring Gold Disk

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# % Oxygen Sensor

## PSR-11-23

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### OEM Equipment:

AMI P2 Sensor

Teledyne B-3 Sensor

GE OX-3

PSR-11-23 replaces AMI P2, Teledyne B-3 and GE OX-3 oxygen sensor. This galvanic type oxygen sensor offers excellent stability and accuracy in gas mixtures containing hydrogen and helium. All sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

\*\*\*Use for measuring oxygen in gas mixtures containing H<sub>2</sub>, He, lighter Hydrocarbon gas

### Technical Specifications

Measuring Range	0-100%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	235-355 uA
Linearity	+/-2% of Full Scale
Response T90	13 sec
Temp Coefficient	Compensated
Operating Temp	0 to 45°C
Recommended Storage <sup>3</sup>	0 to 25°C

Temperature Coefficient	Non Compensated
Shelf Life <sup>4</sup>	6 months
Humidity Non-condensing	0-99% RH
Expected Life	15 months
Warranty <sup>5</sup>	12 months
Electrical Conn	2 Ring Gold Disk

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# % Oxygen Sensor

## PSR-11-330



**OEM Equipment:**

- AMI P4 Sensor
- Analox C3SA Sensor
- Teledyne C-3 Sensor

All sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

Technical Specifications	
Measuring Range	0-100%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	10 - 14 mV
Linearity	+/-2% of Full Scale
Response T90	6 sec
Temp Coefficient	Non Compensated
Operating Temp	0 to 45°C
Recommended Storage <sup>3</sup>	0 to 25°C
Temperature Coefficient	Non Compensated
Shelf Life <sup>4</sup>	6 months
Humidity Non-condensing	0-99% RH

Expected Life	24 months
Warranty <sup>5</sup>	12 months
Electrical Conn	2 Ring Gold Disk

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# PSR-11-52 replaces E-2 percent oxygen sensor

## PSR-11-52 Percent Oxygen Sensor



**OEM Equipment:**

- Teledyne 329
- Teledyne 3290
- Teledyne E-2 Sensor

The galvanic type oxygen sensor offers excellent stability and accuracy under stringent applications. All sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

Technical Specifications	
Measuring Range	0-100%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	-40 to -80 uA
Linearity	+/-2% of Full Scale
Response T90	7 sec
Temperature Coefficient	un-compensated
Operating Temp	0 to 45°C
Recommended Storage <sup>3</sup>	0 to 25°C
Temperature Coefficient	Compensated



Shelf Life <sup>4</sup>	6 months
Humidity Non-condensing	0-99% RH
Expected Life	60 months
Warranty <sup>5</sup>	24 months
Electrical Connector	Phono Jack 3.5

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# Advanced GPR-11-917-J replaces R-17A % oxygen sensor

## GPR-11-917-J % Industrial Oxygen Sensor



**OEM Equipment:**

Teledyne R-17A

This galvanic type oxygen sensor offers excellent stability and accuracy under stringent applications. All sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

Technical Specifications	
Measuring Range	0-100%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	7-13 mV
Linearity	+/-2% of Full Scale
Response T90	6 sec
Temp Coefficient	compensated
Operating Temp	0 to 45°C
Recommended Storage <sup>3</sup>	0 to 25°C
Temperature Coefficient	Compensated
Shelf Life <sup>4</sup>	6 months

Humidity Non-condensing	0-99% RH
Expected Life	36 months
Warranty <sup>5</sup>	12 months
Electrical Connector	Phono Jack 3.5

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

# GPR-11-917-M replaces R-22A % oxygen sensor

## GPR-11-917-M Industrial % Oxygen Sensor



**OEM Equipment:**  
Teledyne R-22A

GPR-11-917-M replaces R-22A % oxygen sensor. galvanic type oxygen sensor with excellent stability and accuracy under stringent applications. All sensors are subjected to the most extensive stability test, output in air, 30" of water column pressure test and stability at 100% oxygen. The widest range of oxygen sensors offered by Analytical Industries, Inc. are "Made in USA"

Technical Specifications	
Measuring Range	0-100%
Accuracy <sup>1</sup>	+/-2% of Full Scale
Signal Output <sup>2</sup>	7-13 mV
Linearity	+/-2% of Full Scale
Response T90	6 sec
Temp Coefficient	Compensated
Operating Temp	0 to 45°C
Recommended Storage <sup>3</sup>	0 to 25°C
Temperature Coefficient	Compensated
Shelf Life <sup>4</sup>	6 months

Humidity Non-condensing	0-99% RH
Expected Life	36 months
Warranty <sup>5</sup>	12 months
Electrical Conn	3 Pin Molex

**\* Conditions - Specification validated during design and in pursuit of improvement are subject to change without notice**

1. At constant temperature and pressure.
2. In air (20.9% oxygen) at 25°C and 1 atm.
3. Sensor may be stored up to 55°C on an intermittent basis, for example, during transportation.
4. In original Package at 25°C and 1 atm.
5. Under normal operating conditions, the sensor is warranted to be free of defects in material and workmanship for the specified period provided the sensor is properly installed and operated. The sole remedy for sensor determined to be defective by Analytical Industries Inc. is limited to replacing the sensor. Analytical Industries Inc. will not be liable for buyer's negligence, misapplication, abuse or accident.

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