

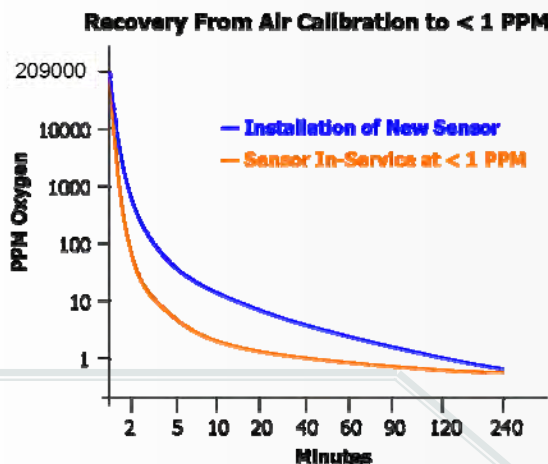
**Analytical Industries Inc.**  
**Advanced Instruments Inc.**

# Advanced Oxygen Sensors Competitive Replacements

Known worldwide for their quality and performance, we offer the widest range of field proven galvanic oxygen sensors for trace PPM and percentage oxygen measurements. Our advanced sensor technology eliminates many of the problems historically associated with competitive sensors and provides superior performance, recovery from exposure to air, accuracy, stability and longer life. These advanced sensors are readily available to instantly upgrade competitive analyzers.

## Trace PPM O<sub>2</sub> Sensors

- Repeatabile fast recovery, not just at installation:



- 50 PPB sensitivity with enhanced stability
- Service life and warranty double the competition
- Superior compatibility with CO<sub>2</sub> gases (XLT)
- No maintenance or electrolyte to add
- Proprietary manufacturing process eliminates sources of contamination

## Percent O<sub>2</sub> Sensors

- Extended life without sacrificing response time
- Extended operating range -20°C to +45°C
- Superior compatibility with CO<sub>2</sub> gases (XLT)
- No maintenance, totally self-contained
- Application tested to ensure consistent quality



# Percentage Range Replacement Oxygen Sensors



## PSR-11-21

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen  
 Signal Output: 295-625  $\mu$ A  
 Response 90%: 7 sec  
 Expected Life: 12 months \*  
 Warranty: 9 months

\* Normal applications



## PSR-11-23

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen  
 Signal Output: 235-355  $\mu$ A  
 Response 90%: 13 sec  
 Expected Life: 15 months \*  
 Warranty: 12 months

\* Normal applications

## OEM Analyzers

AMI 70  
 AMI 111  
 AMI 201 RS/RSP/RSM  
 GE Panametrics OX-1  
 Teledyne 300 P  
 Teledyne 311 P/PC  
 Teledyne 320/320 P Series  
 Teledyne 326 A/B, RA/RB  
 Teledyne 327 RA/RB  
 Teledyne 328/328 R  
 Teledyne 3000 PA/PB  
 Teledyne 3010 PA/PB  
 Teledyne 3020 P  
 Teledyne Insta Trans  
 Teledyne OT-3

## Replaces Sensor

AMI P2  
 GE Sensing Panametrics OX-3  
 Teledyne B-1

## OEM Analyzers

See PSR-11-21  
 AMI 221 R  
 Teledyne 335  
 Teledyne 3350

## Replaces Sensor

AMI P2  
 Teledyne B-3



## PSR-11-213\*\*

See PSR-11-21 specifications  
 Use for H<sub>2</sub>, He, hydrocarbon gas  
 \*\* Replaces Teledyne B-1C



## PSR-11-233\*\*

See PSR-11-23 specifications  
 Use for H<sub>2</sub>, He, hydrocarbon gas  
 \*\* Replaces Teledyne B-3C



## PSR-11-330

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen  
 Signal Output: 165-235  $\mu$ A  
 Response 90%: 30 sec  
 Expected Life: 24 months \*  
 Warranty: 12 months

\* Normal applications



## XLT-11-15\*\*

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen \*  
 Signal Output: 165-235  $\mu$ A  
 Response 90%: 30 sec  
 Expected Life: 15 months \*\*  
 Warranty: 12 months

\* Normal applications  
 \*\* Required when CO<sub>2</sub> > 0.5%

## OEM Analyzers

See PSR-11-21, factory option  
 AMI 210 BR

## Replaces Sensor

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

## OEM Analyzers

See PSR-11-21, factory option

## Replaces Sensor

AMI P4  
 Analox C3SA  
 Teledyne C-3

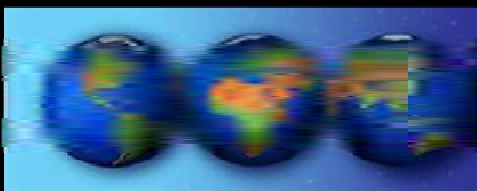


## PSR-11-54

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen  
 Signal Output: 165-235  $\mu$ A  
 Response 90%: 7 sec  
 Expected Life: 24 months\*  
 Warranty: 18 months

## OEM Analyzers

See PSR-11-21, All option for fast response and long life



## Trace PPM Range Replacement Oxygen Sensors

Do not be misled . . . get fast recovery from our PPM O<sub>2</sub> sensors every time, not just at installation!

Upgrade your analyzer . . . fast recovery, 50 PPB sensitivity and double the life and warranty!

CO<sub>2</sub> in the gas stream . . . our XLT sensor is the standard for natural gas and beverage industries!



### PSR-12-223-IT

Range Min: 0-10 PPM Oxygen  
Range Max: 0-1% Oxygen \*  
Signal Output: 295-625  $\mu$ A  
Response 90%: 7 sec  
Expected Life: 18-24 months \*\*  
Warranty: 12 months

\* Air calibrate on 0-25% range

\*\* Normal applications

### OEM Analyzers

See PSR-12-223; requires OEM Manufacturer original cell block or retrofit kit.

### Replaces Sensor

Teledyne Insta Trace



### PSR-12-223

Range Min: 0-10 PPM Oxygen  
Range Max: 0-1% Oxygen \*  
Signal Output: 295-625  $\mu$ A  
Response 90%: 7 sec  
Expected Life: 18-24 months \*\*  
Warranty: 12 months

\* Air calibrate on 0-25% range

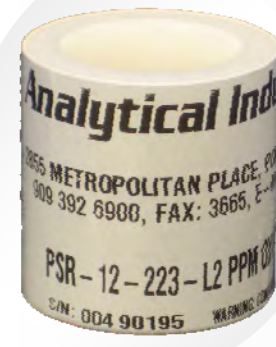
\*\* Normal applications

### OEM Analyzers

AMI 1000 RS  
AMI 2001 RS/RSP/RSM  
AMI 2010 BR  
AMI Watchdog  
GE Panametrics OX-1  
Teledyne 300 T  
Teledyne 310, 311/D/XL, 3110  
Teledyne 315  
Teledyne 316 A/B, RA/RB  
Teledyne 317 RA/RB  
Teledyne 318/318 R  
Teledyne 3000 TA/TA-XL/TB  
Teledyne 3010 TA/TB  
Teledyne 3020 T  
Teledyne 3160  
Teledyne 3190  
Teledyne Insta Trans  
Teledyne OT-3  
Teledyne Turbo 2/2P

### Replaces Sensor

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-L

Range Min: 0-10 PPM Oxygen  
Range Max: 0-1% Oxygen \*  
Signal Output: 295-625  $\mu$ A  
Response 90%: 7 sec  
Expected Life: 18-24 months \*\*  
Warranty: 12 months

\* Air calibrate on 0-25% range

\*\* Normal applications

### OEM Analyzers

See PSR-12-223; requires OEM Manufacturer original cell block or retrofit kit.

### Replaces Sensor

Teledyne L-2, L-2C



### XLT-12-123 \*\*\*

Range Min: 0-10 PPM Oxygen  
Range Max: 0-1% Oxygen \*  
Signal Output: 295-625  $\mu$ A  
Response 90%: 7 sec  
Expected Life: 18-24 months \*\*  
Warranty: 12 months

\* Air calibrate on 0-25% range

\*\* Normal applications

\*\*\* Required when CO<sub>2</sub> > 0.5%

### Replaces Sensor

AMI T2  
GE Sensing Panametrics OX-2  
Teledyne A-2, A-2C

# Percentage Range Replacement Oxygen Sensors



## PSR-11-52

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen  
 Signal Output: -40 to -80  $\mu$ A  
 Response 90%: 7 sec  
 Expected Life: 60 months \*  
 Warranty: 24 months

\* Normal applications

## OEM Analyzers

Teledyne 329  
 Teledyne 3290  
 Teledyne 3300

## Replaces Sensor

Teledyne E-2



## GPR-11-917-J (jack)

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen  
 Signal Output: 7-13 mV  
 Response 90%: 6 sec  
 Expected Life: 36 months \*  
 Warranty: 12 months  
 \* Normal applications

## GPR-11-917-M (3-pin)

See above for specifications

## OEM Analyzers

Automotive Exhaust - various

## Replaces Sensor

City Tech

Envitech

MSA

Teledyne R-17A (jack), R-22A (3-pin)



## PSR-11-75-KE

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen  
 Signal Output: 10-14 mV  
 Response 90%: 13 sec  
 Expected Life: 60 months \*  
 Warranty: 18 months

\* Normal applications

## OEM Analyzers

Various OEM analyzers

## Replaces Sensor

Figaro KE-25 (Japan Storage)

## PSR-11-75-KE4F

See specs above, o-ring front end



## SAF-11-01-I

Range Min: 0-1% Oxygen  
 Range Max: 0-100% Oxygen \*  
 Signal Output: 11-17 mV  
 Response 90%: 9 sec  
 Expected Life: 32 months \*  
 Warranty: 12 months

\* Normal applications

## OEM Analyzers

IST - Int'l Sensor Technology

## Replaces Sensor

IST SAF-11-02-1

Instantly upgrade your analyzer with  
 O<sub>2</sub> sensors from Advanced Instruments  
 Shipped from inventory in 24 hours!  
 100% Made in USA... to ISO 9001 standards