



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

## GPR-2500 S AMB O2 TRANSMITTER

ATEX certified ambient air monitor/oxygen transmitter measures O2 concentrations with 0.1% resolution. The monitor is 2-wire loop powered with ATEX Directive 94/9/EC (with external intrinsic safety barrier), an advanced galvanic oxygen sensor, 36 month operating life, menu driven controls, and NEMA 4 enclosure.

### Certifications:

ATEX Directive 94/9/EC  
 Ex ia IIB T4 Gb  
 T<sub>amb</sub> -10°C to 45°C



## TECHNICAL SPECIFICATIONS

<b>*Accuracy:</b>	< 2% of FS range under constant conditions	<b>Analysis:</b>	0-25% FS ranges
<b>Application:</b>	Oxygen analysis in ambient atmospheres or confined spaces	<b>Approvals:</b>	EC TYPE EXAMINATION CERTIFICATE: INERIS 08ATEX0036 Ex ia IIB T4 Gb
<b>Area Classification:</b>	Meets the recognized intrinsic safety standards for use in Class 1, Division 1, Group C, D hazardous	<b>Operating Range:</b>	Recommended -10 °C to 45°C
<b>Calibration:</b>	Air or certified span gas	<b>Compensation:</b>	Barometric pressure and temperature
<b>Connections:</b>	1/8" compression tube fittings	<b>Controls:</b>	Menu controls, calibration and system functions
<b>Display:</b>	Graphical LCD 2.75" x 1.375"; resolution 0.1 %; displays real time ambient temperature and pressure	<b>Enclosure:</b>	Painted aluminum NEMA 4X, 4"x9"x3", 8 lbs
<b>Flow Sensitivity:</b>	NA	<b>Linearity:</b>	±1% of full scale
<b>Pressure:</b>	NA	<b>Power:</b>	18-24 VDC
<b>Response Time</b>	90% of final reading in 10 seconds	<b>Sample System</b>	None
<b>Sensitivity:</b>	< 0.5% of FS range	<b>Sensor Model:</b>	GPR-11-32-4
<b>sensor Life:</b>	32 months at 25°C and 1 atm.	<b>Signal Output:</b>	4-20mA Loop Current
<b>Warranty:</b>	12 months analyzer; 12 months sensor	<b>Wetted Parts:</b>	Corrosion resistant materials

\*At constant temperature and pressure