

GPR-2000

% Portable Oxygen Analyzer

Designed for efficiency and agility, the GPR-2000 oxygen analyzer is the go-to solution for swift, point-to-point measurements for spot-checking % oxygen contamination in various industrial applications.

GPR-2000 is a reliable and compact analyzer. It features an LCD screen displaying O₂ concentration and our array of electrochemical sensors allows for measurement with background gases containing hydrocarbons, or acid gases.

Our portable range of oxygen analyzers also offers an integrated data logging feature, with a memory token for straightforward data transfer.



Highlights

- Wide variety of measurement ranges from 0...1 % to 0...25 %
- 0...1 V output
- Safe or Hazardous Area options
- Integrated data logging capability
- Long-life sensor and up to 30 days battery life
- Sensor options for different background gases

Applications

- Natural gas safety
- Blanketing and inerting
- O₂ in H₂ measurements
- Brewery and beverage
- Refineries

Technical Specifications

Sensor		GPR-11-60-4	XLT-11-24-4
Measurement Range		0...1, 0...5, 0...10, 0...25 %	
Gas Compatibility		Inert gases, H ₂ and He	Hydrocarbons and CO ₂
Accuracy		< 2 % of selected range at constant conditions	
Output Resolution		0.001 %	
Lower Detection Limit (LDL)		0.01 %	
Sample Flow Rate (application dependent)		1...2 SCFH (0.5...1 LPM)	
Pressure Range		5...30 psi (0.3...2 bar)	
Response Time (T ₉₀)		< 30 seconds	
Operating Temperature Range		+5...+45 °C (+41...+113 °F)	-10...+45 °C (+14...+113 °F)
Life Expectancy (application dependent)		60 months in air	Up to 24 months in air
Shelf Life		Up to 3 months	
Calibration Interval (application dependent)		Monthly (recommended)	
Analyzer			
Electrical			
Display		LCD	
Output Signal		0...1 V	
Power Supply		100...240 V AC	
(battery charger)			
Voltage Output		9 V DC (2 A)	
(battery charger)			
Power Requirement		18 W	
(battery charger)			
Battery Life		Up to 30 days	
Mechanical			
Ingress Protection		N/A	
Analyzer Housing Material		Painted aluminum	
Compliance			

All units:

Europe - EN 60079-0:2018, International - IEC 60079-1:2014

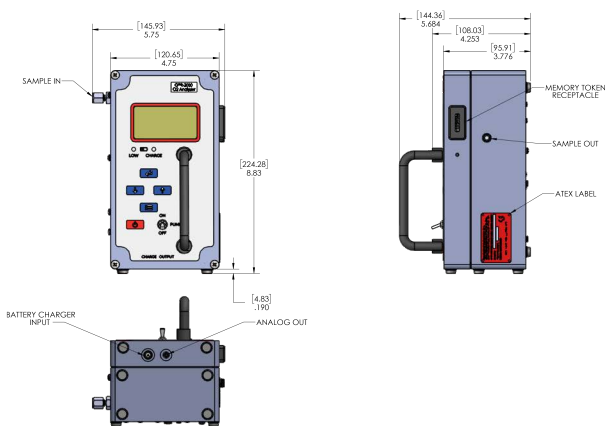
Hazardous Area units only:

ATEX - II 1 G Ex ia IIC T4 Ga T_{amb} (-20 °C...+50 °C)

cMETus - Class I, Division 1, Groups A, B, C & D T4; Class I, Zone 0 AEx ia IIC Ga T_{amb} (-20 °C...+50 °C)

IECEx - Ex ia IIC T4 Ga T_{amb} (-20 °C...+50 °C)

Dimensions (inches)



General Purpose Analyzer (Blue)



Safe area use ONLY

Hazardous Area Analyzer (Red)



Certified for hazardous area use

! CAUTION

Analytical Instruments Inc (Aii) is part of the Process Sensing Technologies Group (PST). As customer applications are outside of PST control, the information provided is given without legal responsibility. Customers should test under their own conditions to ensure the equipment is suitable for the intended application(s).

We adopt a continuous development program which sometimes necessitates specification changes without notice. For technical assistance or enquiries about other options, please contact us here: oxygen@processsensing.com.