



## MODEL 1019 OP Oxygen Purity Analyzer

Rack and Panel Mount Configurations

### Advanced Sensor Technology

- ▶ Proprietary Electrolyte Formulation and Anode Material
- ▶ Electro-etched Smooth Cathode
- ▶ Excellent Stability at Elevated O2 Levels
- ▶ Extended Operating Temperature Range -10°C (-4°F)
- ▶ Two Years Expected Life in 100% O2
- ▶ Fast Sensor Response, no Routine Sensor Maintenance Needed

### Key Analyzer Features

- ▶ User Selectable Range From 25-100%
- ▶ Output Locking on Selected Range
- ▶ Isolated 4-20mA and 0-1 VDC Signal Output Standard
- ▶ Fine Tuned Temperature Compensation
- ▶ Barometric Pressure Compensation
- ▶ Sensor Fail Alarm

### Power

100-240 VAC Universal AC/DC 5V Power Adaptor  
Can be Powered via USB

#### Analyzer Technical Specifications \*

- Measurement Range: User selectable from 25 - 100%
- Display: Bright 2-Line LED
- Analog signal output locked on user selectable range.
- Accuracy: < 2% of FS at constant operating conditions
- Linearity: +/-1% after calibration
- Fine Tune Temperature Compensation for enhanced stability
- Barometric Pressure Compensation
- Alarms: Two user configurable O2 alarms with option for latching, Override Alarms during Span and Zero Calibration
- Calibration Method: Certified Span Gas or air, Recommended Calibration interval 30 days
- Gas Connections: 1/8" compression tube fittings or 1/8" Female NPT
- Menu Controls: Membrane Switch, Menu driven selection of Analysis Range, Display Resolution, Signal Filter Strength, Fine Tune Temp Compensation, Calibration, Alarm Set-points and System Functions
- Response Time 90% of Step Change in <10 sec
- Repeatability: +/-1% over all ranges
- Recommended Sample Flow Rate 1-2 SCFH, vent to atmosphere
- Sample System Included: SS 316 Sensor Housing with Compressing Tube Fittings Connectors
- Sensor Model: AST-222-OP
- Expected Sensor Life: 24 months @ 25°C and 1 atm
- Operating Temp. Range: 5°C to 45°C
- Enclosure: Painted SS 7" x 4.5" x 4" Panel Mount
- Warranty: 12 months analyzer; 12 months sensor

#### Optional Accessories/Equipment

19" Rack mount panel  
RS232 or RS485 Communication

\*Specification validated during desing, subject to change without notice

### ISO 9001:2015 Quality System

(909) 517 0037  
[info@appliedsensing.com](mailto:info@appliedsensing.com)  
[www.appliedsensing.com](http://www.appliedsensing.com)