



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%
- ▶ User Selectable Suppressed Range 90-100%
- ▶ 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 Cable

Analyzer Technical Specifications *

- **Measurement Ranges:** User selectable from 25 - 100%
- **Suppressed Ranges:** Any range between 90%-100%
- **Display:** Bright 2-Line LED
- **Output Lock:** Signal output locked on user selectable range.
- **Accuracy:** < 2% of FS at constant operating conditions
- **Linearity:** +/-1% after calibration
- **Temperature Compensation:** Fine tune for enhanced stability
- **Barometric Pressure Compensation:** Optional feature
- **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:** SS 316 Sensor Housing with Compressing Tube Fittings Connectors
- **Sensor Model:** AST-222-OP
- **Expected Sensor Life:** 24 months @ 25°C and 1 atm
- **Recommended 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

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