



MODEL 1019-P % Oxygen Analyzer

Rack and Panel Mount Configurations

Advanced Sensor Technology

- ▶ Proprietary Electrolyte Formulation and Anode Material
- ▶ Electro-etched Smooth Cathode
- ▶ Recovery From Air to 0.1% in under 30 Seconds
- ▶ Extended Operating Temperature Range -10°C (-4°F)
- ▶ Z-Series sensor Compatibility with 0-100% CO₂
- ▶ Fast Sensor Response, no Routine Sensor Maintenance Needed

Key Analyzer Features

- ▶ User Selectable Range From 0.5% to 25%
- ▶ 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 range from 0-25%
- **Display:** Bright 2-Line LED
- **Output Lock:** 4-20 mA locked on user selectable range.
- **Accuracy:** < 2% of FS at constant operating conditions
- **Linearity:** +/-1% after calibration
- **Temperature Compensation:** Fine tune on low % range for enhanced stability
- **Barometric Pressure Compensation:** Optional
- **Calibration Method:** Certified Span Gas or air, Recommended Calibration interval 30 days
- **Alarms:** Two user configurable O₂ alarms with option for latching, Override Alarms during Span & Zero Calibration, Sensor Fail Alarm
- **Gas Connections:** 1/8" or 1/4" 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 Setpoints and System Functions
- **Response Time:** 90% of Step Change in <30 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 Gas Connectors
- **Sensor Model:** AST-222 inert gases, AST-222-Z for gases containing more than 0.5% CO₂
- **Expected Sensor Life:** 36 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

AST-222-OP sensor for analysis up to 100% Oxygen
 RS232 or RS485 Communication

*Specification validated during desing, subject to change without notice

ISO 9001:2015 Quality System

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