



MODEL 1019 PPM Oxygen Analyzer

Rack and Panel Mount Configurations

Advanced Sensor Technology

- Proprietary Electrolyte Formulation and Anode Meterial
- Electro-etched Smooth Cathode
- Recovery From Air to 10 PPM in under 40 Minutes
- Extended Operating Temperature Range -10°C (-4°F)
- Z-Series sensor Compatibility with 0-100% CO₂
- Fast Sensor Response, no Routine Sensor Maintenance Needed

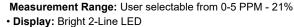
Key Analyzer Features

- User Selectable Range From 1 PPM 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 Adoptor Can be Powered via USB

Analyzer Technical Specifications *



- 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 PPM 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
- Optional Accessories/Equipment

AST-100 sensor for analysis above 100 PPM RS232 or RS485 Communication

*Specification validated during desing, subject to change without notice

- 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-333 inert gases, AST-333-Z for gases containing more than 0.5% CO2
- Expected Sensor Life: 24 months @ 25°C and 1 atm
- Operating Temp: Range: 5°C to 45°C
- Enclosure: Painted Aluminum 7" x 4.5" x 4" Panel Mount
- Warranty: 12 months analyzer, 12 months sensor

ISO 9001:2015 Quality System

(909) 517 0037 info@appliedsensing.com www.appliedsensing.com

13905 RamonaAve. Ste E Chino, CA 91710 USA