



MODEL 1015PW

4-20 mA Loop-Powered % O₂ Transmitter

- **Measurement Range:** User selectable from 0.5-25%
- **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
- **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, System Functions

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 Transmitter Features

- ▶ User Selectable Range From 0.5-25%
- ▶ Output Locking on Selected Range
- ▶ 4-20 mA or 1-5 VDC
- ▶ Fine Tuned Temperature Compensation
- ▶ Barometric Pressure Compensation
- ▶ Intrinsically Safe Design, complies with Class I Div I Group IIC, ATEX Directive II 1G Ex ia IIC T4 Gb

Power

18-24 VDC Loop Powered

For Intrinsic Safety Compliance, use MTL7706+ Barrier

- **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 Gas Connectors
- **Sensor Model:** AST-222 inert gases, AST-222Z 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:** IP67 Painted Aluminum 7.3" x 5.3" x 3.4"
- **Warranty:** 12 months transmitter; 12 months sensor

Optional Accessories/Equipment

AST-222HP sensor for analysis up to 100% Oxygen
 External sensor housing

*Specification validated during desing, subject to change without notice

ISO 9001:2015 Quality System

(909) 517 0037

info@appliedsensing.com

www.appliedsensing.com

13905 Ramona Ave. Ste E Chino, CA 91710 USA