



900701 On-Line CO₂/Oxygen Analyzer



- **Sealed for Harsh Environments - Industrial NEMA-4 Design.**
- **Automatic Operation - Low Maintenance.**
- **Self Stabilizing AutoZero/Cal for CO₂ and Oxygen.**
- **Built-In RS232C and Ethernet Interface for Communication with Industrial Data Collection Systems.**
 - *Small (6"x6"x4") for easy mounting, lightweight (5.0 Lbs), and rugged – housed in a sealed stainless steel case.*
 - *Self-Starts upon the application of power, with automatic power interrupt fault recovery built-in.*

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Model 900701 On-Line CO₂/Oxygen Analyzer Specifications

Gas Measured:	Carbon Dioxide (CO ₂) and Oxygen (O ₂)
Measurement Methods:	Infrared for CO ₂ , Oxygen-Specific Electro Chemical Sensor – Auto-Zero Calibrating.
CO ₂ Sensor Life:	20 Years (InfraRed)
O ₂ Sensor Life:	12-18 months
O ₂ Sensor Replacement:	Customer Accessible – Simple 5 minute replacement with self-calibration – no need for factory return/service.
Measuring Range:	CO ₂ : 0.00 to 100% O ₂ : 0.00 to 25.00% (0.00 to 100.0 Optional)
Resolution:	Above 10.00%: CO ₂ : 0.1% O ₂ : 0.01% Below 10.00%: CO ₂ : 0.01% O ₂ : 0.01%
Gas Value Display	CO ₂ : 3-Digit, O ₂ : 4 Digit ½ inch high Bright Red LED 7-segment digital display.
Accuracy	4% relative to gas reading.
Repeatability	1% relative to gas reading.
Response time:	7 seconds to 95% Final Reading, (6 ft. sample line.)
Sampling Rate:	350 mL/Min Nominal (6 mL/Sec)
Rotometer Flow Meter	0 – 500 mL/Min flowmeter on gas exhaust for positive visual indication of gas sample flow
Gas-borne Contaminate Protection Built-In	External water trap with internal water blocking and particle filters protect analyzer from test gas-borne contamination.
Warm-up:	Data Available in 30 seconds from power on. Full accuracy in 5 minutes. Fully temperature stabilized in 60 minutes.
Operating Temperature:	0 to +40 degrees C.
Power:	Line Voltage 85VAC - 250VAC 50/60 Hz. Line Power Less than 3 Watts. (Customer-Provides Switched Power to Internal Terminal Block)
Communication Interface:	Sealed RS-232C Serial Port, 9600 baud. Sealed Ethernet RJ-45 Connector – LAN Port..
Weight:	5 Lbs.
Size:	6” W x 6” H x 4” D