

MODEL PURE N₂

Rapid Response ZrO₂ Sensor/ 1PPM-100% Range Oxygen Analyzer



Oxygen analysis doesn't have to be complicated or expensive

The model PURE N₂ offers a cost effective solution to rapid and precision measurement of oxygen.

- PORTABILITY WITH VERSATILITY**
 COMPACT AND LIGHTWEIGHT, RAPID WARM-UP TIME, SENSITIVITY TO LOW PPM LEVELS OF O₂ IN A VARIETY OF BACKGROUND GASES: NITROGEN, ARGON, HELIUM...
- HIGH PURITY PUMP**
 FOR SAMPLE EXTRACTION: HEAVY DUTY PUMP FEATURING 316 SS HEADS AND TEFLON™ DIAPHRAGM. IDEAL FOR APPLICATIONS WHERE THE PROCESS ENVIRONMENT CAN RANGE FROM ATMOSPHERIC PRESSURE TO VACUUM.
- SIMPLICITY**
 MICROPROCESSOR CONTROL WITH MENU PROMPTS, NO ELECTROLYTES TO REPLENISH OR FUEL CELLS TO REPLACE.
- THE BENCHMARK O₂ ANALYZER**
 FOR INERT GAS ANALYSIS
- FOR SOLDER REFLOW & HIGH PURITY WELDING**
 THE PURE N₂ IDEALLY SUITED FOR SOLDER REFLOW OVENS AND HIGH PURITY WELDING. AN OXYGEN ANALYZER, LIKE THE PURE N₂, IS THE ONLY WAY TO ACCURATELY MEASURE LOW CONCENTRATIONS OF OXYGEN IN PURGED TUBING AND PIPES IN HIGH PURITY WELDMENTS.

Sensor	Rapid response solid state zirconia cell	
Measurement Range	0.1PPM to 100% O ₂ . Analyzer auto-ranges between PPM and %. Indicator light on display specifies whether reading is PPM or %.	
Response Time	95% of step change in 5 seconds at 1 liter/min. sample flow rate. (within range)	
Intrinsic Error (accuracy)	±2% of RANGE	
Operations	Ambient Temperature: 32° to 113°F (0°-45°C) Relative Humidity: 0-90% (non-condensing) 115/230 Vac ±20% 50/60 (via power selector switch)	
Warm-Up Time	Approximately 20 minutes.	
Recovery Time	100PPM	<20 seconds
	10PPM	<5 minutes
	1PPM	<15 minutes
High Purity Pump	316 SS head w/ Teflon™ Diaphragm. Vacuum Capability: 12"Hg gage Flow: 2 LPM under normal process.	
Dimensions	13.3" High x 9" Wide x 14.75" Long. (338mm x 229mm x 375mm)	
Weight	17.8 lbs. (8.06kg)	
Standard Features	<ul style="list-style-type: none"> • Microprocessor control with menu prompts • LED and LCD displays • Bi-directional RS-232 communications link • Analog outputs 0-1VDC or 0-10VDC • 4-20mA current output • Two alarms with independent relays may be set and controlled by the operator • High Purity Pump with 316 SS head • Filter module kit • Transportable package 	



- FAST RESPONSE WITH HIGH RELIABILITY**
 STEP CHANGE IN 5 SECONDS, RAPID RECOVERY FROM AIR TO PPM LEVELS
- THE BENCHMARK O₂ ANALYZER**
 FOR INERT GAS ANALYSIS
- FEATURING THE NTRON EXCLUSIVE**
 "RAPID RESPONSE ZrO₂ OXYGEN SENSOR"
- IDEAL FOR SOLDER REFLOW, HIGH PURITY WELDING AND METAL HEAT TREATING**
- MEASURES FROM PERCENT LEVELS TO LOW PPM**
- PORTABLE, COMPACT & LIGHTWEIGHT**
- EXTREMELY FAST RESPONSE TIME**

ML107 Rev. A
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