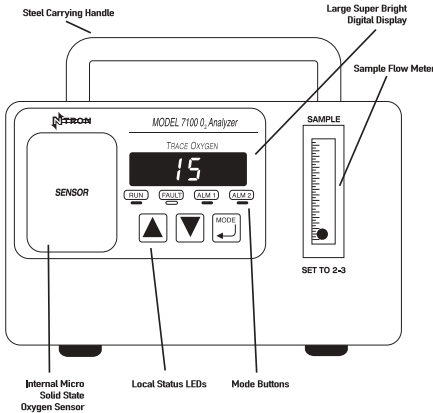


# MODEL 7100<sup>P</sup>

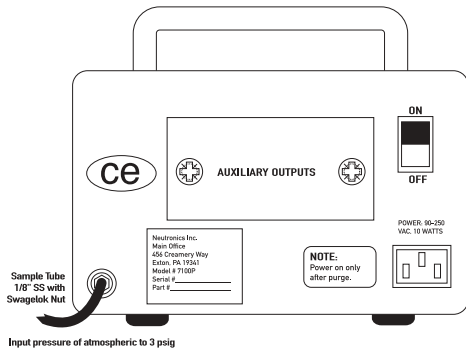
Compact Portable Trace Oxygen Analyzer With Pump Drive

Oxygen analysis doesn't have to be complicated or expensive

The model 7100<sup>P</sup>... an affordable solution in industrial applications throughout the world.



FRONT PANEL DETAIL



BACK PANEL DETAIL



<b>Sensor</b>	Mini Zirconia Oxygen Sensor with Integral Heater
<b>Measurement Range</b>	0-1,000PPM Oxygen, over range to 1% Oxygen
<b>Sample Method</b>	Pump Drive with sample flow meter (includes internal mounted bypass check valve)
<b>Display</b>	0.75" LED digital display, Resolution: XXXX.X Color coded LED's for system status: Alarms 1&2=RED, System Fault=YELLOW, System OK & on-line=Green
<b>Response Time</b>	<15 seconds for 90% response due to step change in ppm Oxygen @ 1 SCFH flow
<b>Accuracy</b> (@ constant temperature & pressure)	±3PPM @ 0-50PPM Oxygen (±1ppm with 2 <sup>nd</sup> point cal near measurement point) ±5PPM at 51-500PPM Oxygen ±10PPM at 501-1,000PPM Oxygen
<b>Operating Temperature</b>	32°-113° F (0°-45° C)
<b>Signal Interface</b>	SERIAL SERVICE PORT: Bi-directional RS-232 Computer Communications of the following: Oxygen Concentration, Alarm Settings/Status, Fault Status ANALOG OUTPUTS: Voltage 0-1VDC or 0-5VDC or 0-10VDC +/- 0.5% @ 1K input min. NON-ISOLATED 4-20mA: +/- 0.5%, negative ground (loop is powered by analyzer) Maximum loop impedance 500Ω.
<b>Sample Port</b>	1/8 inch compression tube fitting (1/8" tubing assembly included)
<b>Warm-Up Time</b>	Approximately 2 min. to reach thermal equilibrium with ambient temperature.
<b>Power</b>	9-250VAC, 50/60 Hz., Single Phase 10 Watts
<b>Power Electrical Connections</b>	2 meter power cable, ON/OFF Switch
<b>Storage Temperature</b>	-15° to 50° C (5-122° F)
<b>Humidity</b>	0-95% non-condensing
<b>Sample Flow</b>	1.0 to 2.0 SCFH @ constant pressure
<b>Warranty</b>	Analyzer & sensor: 12 months from date of shipment under normal operation.
<b>Weight</b>	Less than 5lbs.
<b>Mechanical</b>	Aluminum chassis with carrying handle on top and rubber feet



- **LONG LIFE SENSOR (3-5 YEARS)**  
PROVIDES LOW MAINTENANCE COSTS
- **UNIVERSAL POWER INPUT (90-250VAC)**
- **LARGE, SUPER BRIGHT DISPLAY**
- **PUMP DRIVE**  
FOR EASY EXTRACTIVE SAMPLING OR POSITIVE PRESSURE
- **SENSOR UNAFFECTED BY POSITION**
- **MULTIPLE OUTPUTS PROVIDES FLEXIBILITY**
- **QUICK TO USE: 2 MINUTE WARMUP**
- **CAN BE EXPOSED TO AIR**  
AND READY TO USE IN SECONDS
- **ATMOSPHERIC & POSITIVE PRESSURE SAMPLING**
- **SENSOR WILL NOT DRY-OUT OR FREEZE**
- **LOCAL INDICATION OF GAS FLOW**