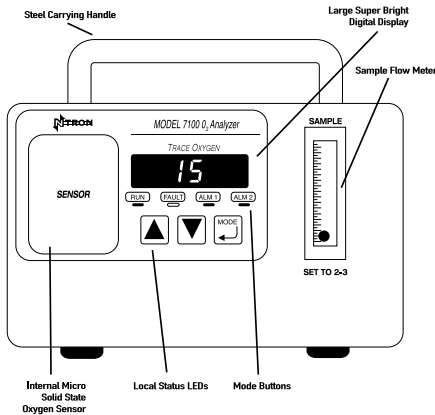


MODEL 7100^P

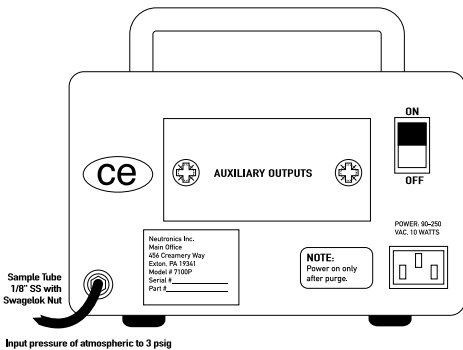
Compact Portable Trace Oxygen Analyzer With Pump Drive

Oxygen analysis doesn't have to be complicated or expensive

The model 7100^P... an affordable solution in industrial applications throughout the world.



FRONT PANEL DETAIL



BACK PANEL DETAIL



Sensor	Mini Zirconia Oxygen Sensor with Integral Heater
Measurement Range	0-1,000PPM Oxygen, over range to 1% Oxygen
Sample Method	Pump Drive with sample flow meter (includes internal mounted bypass check valve)
Display	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
Response Time	<15 seconds for 90% response due to step change in ppm Oxygen @ 1 SCFH flow
Accuracy (@ constant temperature & pressure)	±3PPM @ 0-50PPM Oxygen (±1ppm with 2 nd point cal near measurement point) ±5PPM at 51-500PPM Oxygen ±10PPM at 501-1,000PPM Oxygen
Operating Temperature	32°-113° F (0°-45° C)
Signal Interface	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.
Sample Port	1/8 inch compression tube fitting (1/8" tubing assembly included)
Warm-Up Time	Approximately 2 min. to reach thermal equilibrium with ambient temperature.
Power	9-250VAC, 50/60 Hz., Single Phase 10 Watts
Power Electrical Connections	2 meter power cable, ON/OFF Switch
Storage Temperature	-15° to 50° C (5-122° F)
Humidity	0-95% non-condensing
Sample Flow	1.0 to 2.0 SCFH @ constant pressure
Warranty	Analyzer & sensor: 12 months from date of shipment under normal operation.
Weight	Less than 5lbs.
Mechanical	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**