

LA-306 Oxygen Analyzer

INSTALLATION

1. Gently remove the oxygen analyzer from the box and place on the LA-306 furnace between the cabinet vent fan exhaust and the Sample System/Supply Gas Mixing system Enclosure (fig. 1).
2. Connect power cable to power plug on back of analyzer (fig. 2).
3. Connect sample gas line to oxygen analyzer Sample In connection (left connection in fig. 2). Hand tighten fitting.
4. Turn ON power switch located just above power cord on back of analyzer (fig. 2).
5. Open IN valve (top valve) full ccw (fig. 2).

OPERATION

1. Turn blue selector switch ON.
2. Select port to be sampled.
3. Start furnace.
4. Press Controls ON to energize Sample System and start analyzer.
5. Adjust lower valve OUT until Sample Flow flowmeter on front of analyzer reads 1-1.5 L/min (fig 1 & 2).
6. In this configuration, analyzer will start and resetstop with furnace control switch. Blue light stays on when switch is in ON position.

Note : When nitrogen is connected to Gas 1, Port Select S will sample the source nitrogen. Ports 1, 2 and 3 sample the respective furnace zones.

Note B: Analyzer valves can be left in open position while connected to the LA-306 as the sample port manifold will isolate the analyzer cell from gas flow when the system is off.

Note C: To prolong cell life, limit sampling of air.

REMOVAL

1. Unplug power to analyzer.
2. Remove sample line at analyzer.
3. Gently relocate analyzer.
4. Use power connection (supplied) to connect at alternate location.
5. Use Teflon line with fittings (supplied) to connect to alternate sample source.

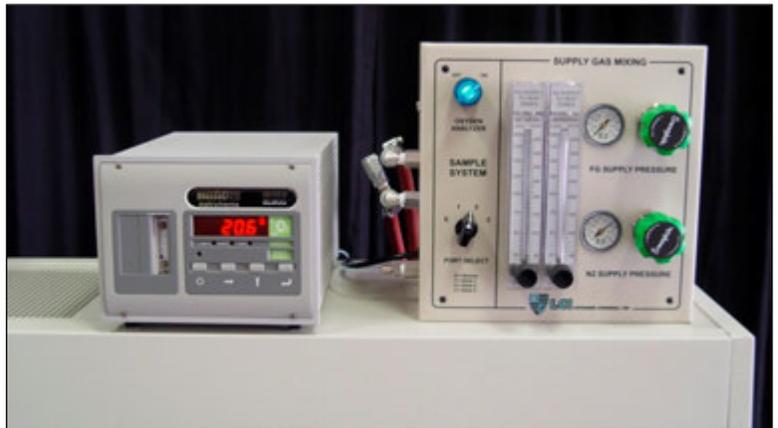


Figure 1. Position oxygen analyzer on furnace

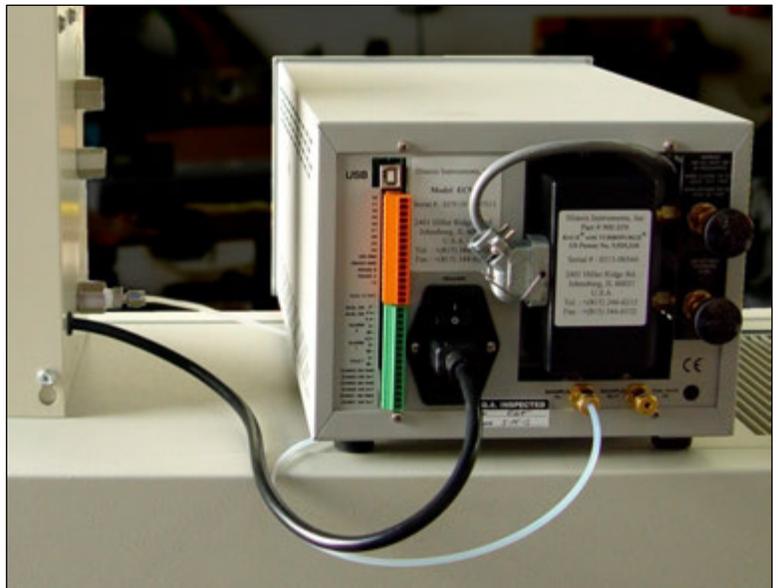


Figure 2. Analyzer power and sample line connections

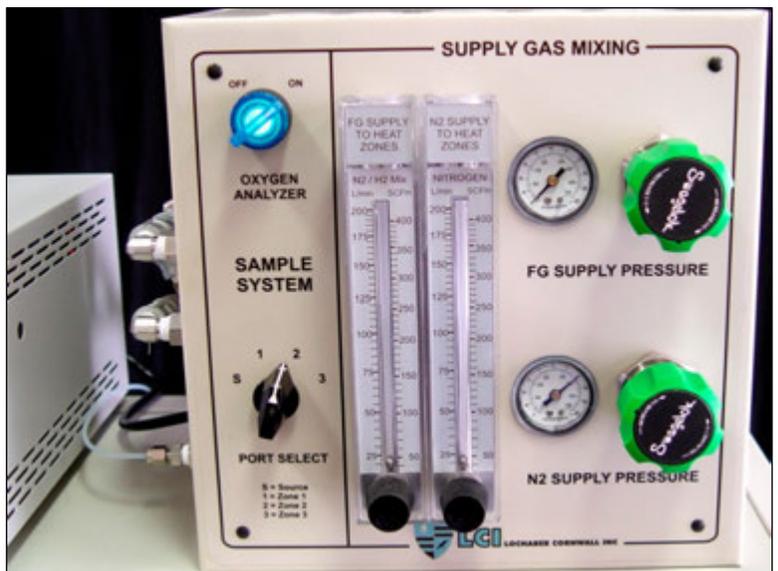


Figure 3. Turn Sample System ON and select Port