



### 800-O2/Monitor, Oxygen Monitor

The PLAS ■ LABS' Oxygen Monitor, 800-O2/Monitor, is an economically priced percent oxygen measuring system equipped with a standard measuring range of 0-100%. Available as an option, are dual 4-20 mA DC recorder outputs that have been scaled over 0-100% and 0-25%. When the 800-O2/Monitor is equipped with the optional analog outputs, the user can select either scaled output by using one of two output jacks located at the base of the instrument.

The 800-O2/Monitor features an extended life, ambient temperature electrochemical sensor that is extremely resistant to a variety of acid gases including carbon dioxide. The front panel has an easy to read, 3-1/2 digit liquid crystal display. Input power to the 800-O2/Monitor is 115/230 VAC, 50-60 Hz. The OXY-SEN can be wall/panel mounted or used as a bench-top device.

The 800-O2/Monitor was designed primarily for applications where the user prefers to mount the gas diffusion end of the sensor through a chamber or glove box.

For gas tight integrity, the extended-life sensor is equipped with an "O" ring that helps to form a gastight seal. One advantage of using a threaded sensor is that it eliminates the need to use sample pumps, air driven aspirators, etc. to provide sample to the sensor. An optional, flow through sensor housing is available for applications where external sampling is required.

#### Specifications:

Measurement Range: 0-100% oxygen (gas phase).  
 Linearity: +1% of full scale.  
 Sensor Type: Ambient temperature electrochemical.  
 Sample Gas Pressure Limits: < 2 psig.  
 Storage Temperature Range: 32o-125oF.  
 Analog Output (Optional): 4-20 mA DC scaled over 0-100%  
 Maximum load 500 ohms.  
 Dimensions of Electronics Enclosure: 5-3/4" W, 5-1/2" H,  
 1-1/4" D.  
 Weight (with 10' of sensor cable): < 2 pounds.

Measurement Error: +1% of full scale (at 77oF and 29.92" Hg).  
 Response Time: 90% of full scale in under 30 seconds.  
 Temperature Compensation: Standard.  
 Operating Temperature Range: 40o-100oF.  
 Input Power: 85-265 VAC, 50-60Hz.  
 O2 and 0-25% O2 (selectable by connector position).  
 Display: 3-1/2 digit liquid crystal.  
 Dimensions of Sensor: 1.85" H x 0.9" D. Thread depth:0.29"  
 (exclusive of O-ring), Thread size: M16 X 1.  
 Warranty: 12 months (both sensor and electronics).