

# Oxygen Measurement Application Questionnaire

## ***CUSTOMER INFORMATION***

Company:

Address:

City:

State:

Zip:

Country:

### **Contact**

Name:

Title:

Phone:

Email:

Fax:

## ***Application Type***

Personnel Safety

Process (Go to Page 2)

## ***Personnel Safety Application***

Number of room(s) to be monitored:

Size of the room(s):

List the source(s) from which  
leaks of displacement gas may occur:

List possible displacement gases:

Do you need to monitor O2 from outside the room?

YES

NO

Number of entrances into the room(s):

Operating temperature:

(Required 50° to 104° F (10° to 40° C))

Operating Relative Humidity:

(Required 0 to 90%, non-condensing)

### **OPTIONS**

Number of Remote Horn & Strobe alarms needed?

(Instrument Internal audible alarm is rated at 85 dBs at 10 cm)

Input Power:

¼" tubing Calibration Fixture Nut

17L Cylinder of Air with Regulator with Calibration Fixture Nut (USA Only)



For Sales & Service Contact:

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## ***Process Application***

Application or nature of process:

Specify gases used in process:

Any hydrocarbons

CO2 > 1000 PPM

Oxygen Range to be measured:

Process Temperature:                      Min                                      Norm                                      Max

Ambient Temperature:                      Min                                      Norm                                      Max

## ***Sample Stream Conditions***

Sample Flow Rate:

(Required, 1.0 to 2.0 standard cubic feet per hour (SCFH). 0.5 to 1.0 liters/ minute (LPM)).

Sample Gas Temperature:                      Min                                      Norm                                      Max  
(Required, 40° to 104° F (5° to 40° C))

Sample Gas Pressure:  
(Required, 0.1 to 1.5 psig (0.007 to 0.1 kg/cm<sup>2</sup>)).

Entrained Solids:

(<3 mg/ft<sup>3</sup>: no in-line filter required; >3 mg/ft<sup>3</sup>: in-line filter is required)

Hydrocarbon Mist:

(<0.7 mg/ft<sup>3</sup>: no in-line filter required; >0.7 mg/ft<sup>3</sup>: in-line filter is required)

Condition of Sample Gas:                      Wet                                      Dirty                                      Corrosive

Can sample gas be vented to atmosphere?

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## ***Instrument System Specifications***

Input Power:            Universal AC            115VAC            230VAC            24VDC            Loop(14-32VDC)

Classified Area?    Classification:  
Enclosure            Benchtop General Purpose            Wall Mount General Purpose  
Type:                Panel Mount General                Battery Portable General Purpose

Do you need the sensor to be remote from the main unit?            How far from the main unit?

Do you need a built-in display?            Do you need Alarms or Relays?

Do you need remotely switchable solenoids for short term isolation to switch from process to purge gas?

Block & bleed sample / sensor-isolation gas delivery system is a convenient means to purge (bleed) the sample line before switching to the actual sample gas. This produces ultra-fast response time and improved protection from upsets by allowing the sample path to by-pass the sensor until sample flow and pressure are adjusted.

Do you need our Block and Bleed Sample System

Serial Communication:            RS232(Standard)            RS485(Optional)

Analog Outputs:            4-20mA            4-20mA & 0-2VDC  
4-20mA or 0-20mA(User Config.)            0-10VDC

## ***Industry***

Select all that apply:

|                               |                             |
|-------------------------------|-----------------------------|
| Aerospace/Military Laboratory | Energy                      |
| Agricultural                  | Environmental               |
| Biotech                       | Industrial Mfg.             |
| Building Maintenance          | Life Science                |
| Bulk Industrial Gas           | Medical Labs, Hospitals     |
| Chamber/Glove Box Mfg.        | Petrochemical/Plastics      |
| Chemical                      | Pharmaceutical              |
| Combustion Control            | Semiconductor               |
| Commercial Food Processing    | Steel & Aluminum Processing |
| Educational Laboratory        | Wine & Beer Production      |