

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:

COSA Xentaur

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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/cm2)).

Entrained Solids:

(<3 mg/ft³: no in-line filter required; >3 mg/ft³: in-line filter is required)

Hydrocarbon Mist:

(<0.7 mg/ft³: no in-line filter required; >0.7 mg/ft³: 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 (90-264VAC) 115VAC 230VAC 24VDC Loop(14-32VDC)

Classified Area? Classification:

Enclosure Type: Benchtop General Purpose Wall Mount General Purpose
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



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