

## Pressure Controller Specification

Date:

Name:

Company:

Phone:

E-Mail:

What is the application?

What is the desired range of pressure control?

What is the desired unit of measure?

Psia  psig  inHG  mmHG  Atm  inH2O  Torr  mBar  kPa  other:

Positive or vacuum control?  Positive  Vacuum  Not sure

Is this a back pressure application?  yes  no  not sure

If yes what is the lowest back pressure set point you will need?

What are the typical feed and back pressure? Feed  back

Are you performing pressure control in a closed system?  yes\*  no  not sure

\*Please answer the following 3 questions only if you are performing pressure control in a closed system:

1. What is the volume of the vessel in which you wish to control pressure?

2. Are you venting to Atmosphere or vacuum?  Atmosphere  Vacuum  Not sure

3. What is the length and diameter of the line between the unit and the vessel?

Length:  Diameter:

Do you require:  differential pressure control  External pressure ports and sensors

What is the approximate ambient operating temperature? Min.  Max.

What is the operating temperature of the gas? Min.  Max.

What gas or Gases are to be used?

Is the gas clean, non-corrosive and dry (non-corrosive)?  yes  no  not sure

Is the gas aggressive / corrosive?  yes  no  not sure

Will there be water vapor in the gas?  yes  no  not sure

Will the device be used with a liquid?  Yes What liquid?

What electrical power is available?  12 Vdc  24 Vdc  Other

What signal interface is needed?  Analog  Digital

Analog output?  0-5 Vdc  1-5 Vdc  0-10 Vdc  4-20 mA

How will the set-point be communicated to the controller?

Device Display  RS-232/RS-485  Analog

Primary analog output?  0-5 Vdc  1-5 Vdc  0-10 Vdc  4-20 mA

Opt. Secondary Analog Output?  0-5 Vdc  1-5 Vdc  0-10 Vdc  4-20 mA  none

Digital output?  RS-232  RS-485  local  Profibus  Modbus RS-232  Modbus RS-485

What communications connector is needed?

8 pin  6 pin locking  DB9 male  DB9 female  DB15

What cable length is needed?  6 ft  25 ft  50 ft  other:

What display is desired?  Monochrome  Color (TFT)  none

Is a remote display needed?  Yes Remote Display cable length :

What calibration accuracy is required?  0.8% of reading + 0.2% of FS  0.4% of reading + 0.2% of FS

Are special process connections needed?  VCR  SAE  NESSI  Other:

Comments: