Mass Flow Controller Specification   Date: [ ]

Name: [ ]   Company: [ ]

Phone: [ ]   E-Mail: [ ]

What is the application? [ ]

[ ]

What is the maximum mass flow (peak flow rate) reading required? [ ]

What units of measure are required? [ ]

What standard conditions are required? ☐ Std: 25ºC/14,696 psia   ☐ Other: [ ]

What are the typical feed and back pressure? ☐ Feed [ ]   ☐ Back [ ]

   Is there vacuum involved?   ○ yes ○ no   ○ not sure

What is the operating pressure?   Min. [ ]   Max. [ ]

What is the allowable pressure drop through the controller? [ ]

   Is the pressure available greater than the minimum full

   scale pressure drop?   ○ yes ○ no   ○ not sure

   Is the gas flow bidirectional?   ○ yes ○ no   ○ not sure

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

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

Parameter for the secondary analog output?

○ mass flow   ○ Vol. flow   ○ Pressure   ○ Temp.

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

Will the control loop be closed on:

○ mass flow Rate   ○ Volumetric flow Rate   ○ Absolute Pressure   ○ Back Pressure

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: [_____]

Is a totalizer function desired ?   ○ yes   ○ no

What increments (resolution) for the totalizer? ○ 1/100   ○ 1/10   ○ 1   ○ 10 ○ Other: [_____]

Will you be using the totalizer for batch processing/control?   ○ yes   ○ no   ○ not sure

What totalizer action on reaching maximum? ○ no rollover   ○ rollover   ○ rollover w/notification

Comments: [_____]

[_____]

[_____]

[_____]