

Defaults for transmitter configuration are noted by **Bold** items or they are shown. For help and an explanation on each entry, place cursor on Red marker, use the right click on the mouse. Then choose Edit Comment and expand the box to read the entire comment.

Honeywell S.O. Number: _____

SMV 3000 Model #: _____

General Configuration Section

Tag I.D. Number: _____
(8 Characters Max.)

Scratch Pad: _____
(32 Characters Max.)

Mode of Operation: Analog ____ DE ____

Analog Output Choice: PV1 ____ PV2 ____ PV3 ____ **PV4** ____

PV DE Mode Broadcast: PV1 On ____ PV1 On w/SV ____
(only required if selecting DE Mode of Operation) PV1 - PV2 On ____ PV1 - PV2 On w/SV1 ____
PV1 - PV3 On ____ PV1 - PV3 On w/SV1 ____
PV1 - PV4 On ____ PV1 - PV4 On w/SV1 ____

Line Filter: 50 Hz ____ **60 Hz** ____

Failsafe Direction: Upscale ____ Downscale ____
(Analog Mode Only)

Differential Pressure - PV1 - Configuration Section

PV1 Output Conformity: Linear ____ Square Root ____

PV1 Damping (sec.): **0.0** ____ 0.16 ____ 0.32 ____ 0.48 ____ 1 ____ 2 ____
4 ____ 8 ____ 16 ____ 32 ____

PV1 Eng. Units: "H2O_39F ____ PSI ____ MPa ____ bar ____
kg/cm^2 ____ mmH2O_4C ____ mmHg_0C ____ KPa ____
mbar ____ g/cm^2 ____ inHg_32F ____ ATM ____
mH2O_4C ____ "H2O_68F ____ "H2O_60F ____

PV1 Range: LRV _____ URV _____
(defaults are **0** and **100 inches H2O 39F**)

Static Pressure - PV2 - Configuration Section

PV2 Damping (sec.): **0.0** ____ 0.16 ____ 0.32 ____ 0.48 ____ 1 ____ 2 ____
4 ____ 8 ____ 16 ____ 32 ____

PV2 Eng. Units: "H2O_39F ____ **PSI** ____ MPa ____ bar ____
(Static Pressure) kg/cm^2 ____ mmH2O_4C ____ mmHg_0C ____ KPa ____
mbar ____ g/cm^2 ____ inHg_32F ____ ATM ____
mH2O_4C ____ "H2O_68F ____ "H2O_60F ____

PV2 Range: LRV _____ URV _____
(default depends on SMV 3000 model number - specify gauge or absolute)

Barometric Pressure: _____

(If using SMV 3000 in a flow application and you specify the SMG170 model number, enter the barometric pressure)
 (Default is 14.7 psia)

Process Temperature - PV3 - Configuration Section

PV3 Damping (sec.): **0.0** ____ 0.3 ____ 0.7 ____ 1.5 ____ 3.1 ____ 6.3 ____
 12.7 ____ 25.5 ____ 51.1 ____ 102.3 ____

PV3 Probe Type: **PT 100 D RTD** ____ Type E TC ____ Type J TC ____
 Type K TC ____ Type T TC ____

PV3 Eng. Units: **deg. C** ____ deg. F ____ deg. R ____

PV3 Range: LRV _____ URV _____
 (defaults are **-200** and **450 deg. C**)

PV3 Cold Junc. Comp.: **Internal** ____ External ____ ECJT: ____
 (Only for Thermocouple. If external, specify the temp. in the ECJT slot)

PV3 TC Fault Detection: **On** ____ **Off** ____

PV3 Output Charact.: **Linear** ____ Non-Linear ____

Flow - PV4 - Configuration Section

Flow Configuration Not Needed? (check this box if you do not need flow configuration)

Dynamic Flow Compensation Section

(If you are using a primary element that is not listed, use the Standard Flow Equation Section below.)

Flow Element Type:

- Orifice - Flange Taps (ASME-ISO) D >= 2.3 inches _____
- Orifice - Flange Taps (ASME-ISO) 2 <= D <= 2.3 _____
- Orifice - Corner Taps (ASME-ISO) _____
- Orifice - D and D/2 Taps (ASME-ISO) _____
- Orifice - 2.5D and 8D Taps (ASME-ISO) _____ (Liquids only)
- Venturi - Machined Inlet (ASME-ISO) _____ (Liquids only)
- Venturi - Rough Cast Inlet (ASME-ISO) _____ (Liquids only)
- Venturi - Rough Welded Sheet-Iron Inlet (ASME-ISO) _____ (Liquids only)
- Nozzle (ASME Long Radius) _____ (Liquids only)
- Venturi nozzle (ISA Inlet) _____ (Liquids only)
- Leopold venturi _____ (Liquids only)
- Gerand venturi _____ (Liquids only)
- Universal Venturi Tube _____ (Liquids only)
- Lo-Loss Venturi Tube _____ (Liquids only)
- Preso Ellipse Ave. Pitot Tube _____ (Specify 7/8", 1.25" or 2.25" Probe diameter)

Material _____
 Bore Diameter (inches at 68 deg. F) _____ (not required for Pitot Tube)
 Design Temperature _____ (not required for Pitot Tube)

Fluid State: Gas ____ Liquid ____ Steam ____

Flow Data: (obtained from Primary Element Sizing Sheet)

Design Pressure _____ (Only required for Gas applications)
 Design Temperature _____ (Only required for Gas applications)
 Design Density _____ (Only required for Gas applications)
 Standard Density _____ (Only required for Gas and Liquid Standard Volume applications)

Fluid Name: _____

Pipe Properties: Material _____ Pipe Schedule _____ Pipe Diameter _____

Isonotropic Exponent: _____ (not required for liquid applications or Pitot Tube)

Standard Flow Compensation Section

(Standard equation should be used for any primary element not listed in Dynamic Flow Section above.)

Fluid State: Gas _____ Liquid _____ Steam _____

Fluid Name: _____

Flow Data: (obtained from Primary Element Sizing Sheet)

Normal Flowrate _____ Design Pressure _____ (Only required for Gas applications)
 Normal Diff. Pressure _____ Design Temperature _____ (Only Gas applications)
 Design Density _____ (only required for steam applications)
 Standard Density _____ (Only required for Gas and Liquid Standard Volume applications)

Flow Compensation: None ___ Full ___ Pressure Only ___ Temperature Only ___

General Flow Configuration Section (Must be completed)

PV4 Range: LRV _____ URV _____ URL _____
 (defaults are 0, 100,000 and 100,000 m3/hr)

PV4 Eng. Units: cc/h ___ cc/min ___ l/h ___ l/min ___
 (Volumetric Flow) gal/day ___ Kgal/day ___ gal/h ___ gal/min ___
 bbl/day ___ m3/day ___ **m3/hr** ___ m3/min ___
 m3/sec ___ CFM ___ CFH ___

Type of Volumetric Flow Units:

Standard Volume Units _____ Actual Volume Units _____

PV4 Eng. Units: lb/min ___ lb/h ___ lb/sec ___ ton/sec ___
 (Mass Flow) ton/min ___ ton/h ___ kg/min ___ kg/sec ___
 kg/h ___ t/min ___ **t/h** ___ t/sec ___
 g/sec ___ g/min ___ g/h ___

PV4 Eng. Units: _____ **Conversion Factor =** _____
 (Complete if choosing Custom Units, 8 characters Max.)

PV4 Damping (sec.): 0.0 ___ 0.5 ___ 1.0 ___ 2.0 ___ 3.0 ___ 4.0 ___
 5.0 ___ 10 ___ 50 ___ 100 ___

PV4 Low Flow Cutoff: Low Limit _____ High Limit _____ (defaults are zero)

PV4 Failsafe: PV2 Failsafe On ___ **PV2 Failsafe Off** ___ Pressure _____
 PV3 Failsafe On ___ **PV3 Failsafe Off** ___ Temperature _____

Custom Liquid:

Density and Viscosity Data:

(Please supply at least 5 pairs of values for density vs. temperature and viscosity vs. temperature if dynamic density and viscosity compensation is desired.)

density - lbs/ft3

viscosity - cPoise

temperature - deg. F

Configured By:
Phone Number:

Date: ____/____/____