

## VersaFlow Mag Meter Application Analysis Form

2/14/11

Please complete this form as much as possible. Fax or e-mail it to Honeywell or our local representative in your area. We will be happy to offer the instrument that is best suited for your application. Move to the next field using the mouse. When done, save the document under a new file name using "Save as" under File menu

Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Contact Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 Tel. No. for Technical Questions ( ) \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Reviewed by \_\_\_\_\_ / /  
 Approved by \_\_\_\_\_ / /

### 1. Liquid Data:

Name: \_\_\_\_\_  
 Description: \_\_\_\_\_  
 % Concentration (If Applicable) \_\_\_\_\_  
 Viscosity: \_\_\_\_\_ Min. \_\_\_\_\_ Max.  
 Units: \_\_\_\_\_ (Cps, Cst, etc.)  
 Conductivity: \_\_\_\_ (5uMho min, 20uMho min. for water)

Does Fluid Contain Solids?  Y or  N  
 If Yes, Particle Size/Type/Desc.: \_\_\_\_\_  
 \_\_\_\_\_ % Solids: \_\_\_\_\_ (approx.)

Does Fluid Contain Gas or Entrained Air?  Y or  N  
 If Yes, % Gas \_\_\_\_\_ (approx.)

Does Fluid Contain Magnetite?  Y \_\_\_\_% or  N

### 2. Operating Conditions:

Flow Rate	Accuracy Req.
_____ Gal/min (Min.)	_____ % Rate
_____ Gal/min (Typ.)	_____ % Rate
_____ Gal/min (Max.)	_____ % Rate

Is Flow  Continuous or  Pulsing / Batch  
 Describe Pulse Timing, Pump Type, or Batch Size:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Please Complete Both Pages

### 3. Piping:

Size: \_\_\_\_\_  
 Schedule: \_\_\_\_\_  
 Material: \_\_\_\_\_  
 Pipe Liner Material (if applicable): \_\_\_\_\_

#### Liner:

PFA  Neoprene  FEP  Ceramic  
 Hd.Rubber  Polyurethane  PTFE  
 Other: \_\_\_\_\_

#### Electrode:

HastelloyC  316 SS  Tantalum  
 Titanium  Zirconium  
 Other: \_\_\_\_\_

#### Electrode Cleaning:

None  WE/Removable  Ultrasonic  
 RE/Scrapper

#### Connections:

PN6  PN10  PN16  PN25  PN40  
 ANSI 150#  ANSI 300#  AWWA CL.B, CL.D  
 Sanitary  Wafer  Other: \_\_\_\_\_

#### Grounding Rings:

None  #1  #2  #3  
 Material: \_\_\_\_\_

### 4. Temperature / Pressure (at meter site):

**Operating Fluid Temperature:**  
 \_\_\_\_ Min \_\_\_\_ Norm \_\_\_\_ Max  °F  °C

**Ambient Temperature:**  
 \_\_\_\_ Min \_\_\_\_ Norm \_\_\_\_ Max  °F  °C

**Operating Pressure:**  
 \_\_\_\_ Min \_\_\_\_ Norm \_\_\_\_ Max \_\_\_\_ Unit

### 5. Describe your flow measurement problem and what it is you wish to accomplish:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

*(Please include a sketch showing the proposed installation including fluid flow direction.)*

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### 6. Equipment Specifications:

**Signal Converter:** Remote \_\_\_\_\_ Integral \_\_\_\_\_  
If Remote, distance from sensors to converter \_\_\_\_ ft.  
Display: Y or N?

### Supply voltage:

120 VAC, 60 Hz. \_\_\_\_ 220 VDC \_\_\_\_ 24 VDC \_\_\_\_  
Other, Describe: \_\_\_\_\_

Measuring Functions Desired Standard	Range	Units
____ Volumetric Flow Rate	_____	_____
____ Totalized Volume	_____	_____

### Optional

Other (Describe): \_\_\_\_\_

Communication: HARTSmart: \_\_\_\_\_

### 7. Output Requirements:

#### 4 - 20 ma Output:

Measured Parameter: \_\_\_\_\_ Range \_\_\_\_\_

#### Frequency Output:

Measured Parameter: \_\_\_\_\_ Range \_\_\_\_\_

### Computer Interface RS-485:

Status Relay: \_\_\_\_\_

### 8. Location:

Straight Run: \_\_\_\_\_ Pipe Diameters Upstream  
\_\_\_\_\_ Pipe Diameters Downstream

#### Describe Upstream Conditions:

(i.e. Centrifugal Pump, chemical injection, tank, etc.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### Describe Downstream Conditions:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Full Pipe? Yes No Sometimes

#### Pipe Orientation:

Horizontal Vertical Inclined

If Vertical or Inclined, is flow direction: Up Down

#### Will the Primary be located in a Hazardous Area?

Y or N

If Yes, Specify: \_\_\_\_\_ Div 1 or \_\_\_\_\_ Div 2

Groups: \_\_\_\_\_

9. Sketch Proposed Flowmeter Installation Include Adjacent Equipment (Pumps, Valves, Etc.), Orientation, and Fluid Flow Direction.