

**SITRANS F M MAGFLO Flow Meter Application Data Sheet**

Email To: [piabusales.industry@siemens.com](mailto:piabusales.industry@siemens.com)

**Instructions:** Navigate through the form using the TAB key or mouse. To select a checkbox, click with mouse or press the SPACEBAR. To select units, click and choose from drop-down menu.

Requestor Information		Customer Information		End-User Information	
Company Name:		Company Name:		Company Name:	
Requestor Name:		City:		City:	
Phone:		State:		State:	
E-mail:		Country:		Country:	

**Selected Part Number(s) For This Application**

**Process Information (Electrically Conductive Liquid)**

Liquid Name / Description: _____		Amount of Solids: _____ % or Gas: _____ % (If Applicable)	Particle Size: _____ (Unit) (If Known)
Temperature Range:	Min: _____	Operating: _____	Max: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C
Pressure @ zero flow: _____	<input type="checkbox"/> PSIG <input type="checkbox"/> Bar	Pressure @ operating flow: _____	<input type="checkbox"/> PSIG <input type="checkbox"/> Bar
Abrasive State of Fluid: <input type="checkbox"/> Not abrasive <input type="checkbox"/> Slightly abrasive slurry <input type="checkbox"/> Highly abrasive slurry			
Corrosive State of Fluid: <input type="checkbox"/> Not corrosive <input type="checkbox"/> Moderate <input type="checkbox"/> High pH _____ (If Known)			

**Process Application**

Flow Rate Unit: <input type="checkbox"/> Gallons or Other: _____	Flow Rate Time Unit, per: <input type="checkbox"/> Second <input type="checkbox"/> Minute <input type="checkbox"/> Hour <input type="checkbox"/> Day
Flow Rate Amount: Minimum: _____ Nominal: _____ Maximum: _____	
The Flow Is: <input type="checkbox"/> Single Direction <input type="checkbox"/> Bi-Directional <input type="checkbox"/> Continuous <input type="checkbox"/> Pulsing	
If Pulsing, Describe On/Off Times or Batch Size: Time on: _____ Time off: _____ Batch Size: _____	

**Installation**

Pipe Material / Schedule: _____	
Process Pipe Diameter: _____ <input type="checkbox"/> in <input type="checkbox"/> mm	
Does The Process Pipe Have An Internal Liner? <input type="checkbox"/> Yes <input type="checkbox"/> No	Liner material: _____
Grounding Rings Required? <input type="checkbox"/> None <input type="checkbox"/> One <input type="checkbox"/> Two Compatible Material: _____	

# SIEMENS Industry

## Sensor Location

Flow Sensor Located:  Indoors  Outdoors

Hazardous Area:  Yes  No

Area and Agency Rating:  General Purpose  FM/CSA: Class \_\_\_ Div. \_\_\_ Protection Group: \_\_\_\_\_

Other: \_\_\_\_\_

Type, Choose All Applicable:  Dedicated  Submersible  Battery  Portable

Other: \_\_\_\_\_

Straight Run, In Pipe Diameters: Upstream \_\_\_\_\_ Downstream \_\_\_\_\_ (5 up + 3 down suggested minimum)

Pipe Orientation:  Horizontal  Vertical  Inclined

Full Pipe:  Yes  No  Intermittent

Direction Of Flow For Vertical / Inclined:  Up  Down (Up is desired)

## Sensor Data

Calibration Required:  Factory Standard  Multi-point calibration \_\_\_\_\_ (specify)

Liner Material:  Hard Rubber (< 158 F)  Soft Rubber (< 158 F)  PTFE (< 212 F)  HT PTFE (< 356 F)

EPDM (< 158 F)  Novolak (< 266 F)  PFA (< 212 F)  Linatex (<158 F)

Ceramic (< 302 F)  HT Ceramic (< 392 F)

Electrode Material:  316 Stainless Steel (No PFA)  Hastelloy C-276  Hastelloy C-22 (PFA Only)

Platinum  Tantalum  Titanium (No PFA)

Cables For Remote Sensor:  Standard (3 conductor, outer shielding)  Special Electrode (double shielded)

Length required from transmitter to flow sensor: \_\_\_\_\_  ft  m

## Transmitter

Will flow transmitter be in a hazardous area?  Yes  No

Power:  11-30 VDC  110-240 VAC

Area and Agency Rating:  General Purpose  FM/CSA: Class \_\_\_ Div. \_\_\_ Protection Group: \_\_\_\_\_

Other: \_\_\_\_\_

Temperature @ Flow Transmitter: Min \_\_\_\_\_ Typ \_\_\_\_\_ Max \_\_\_\_\_  °F  °C

Outputs required:

Communications:

Current / Analog 4-20 mA

Digital Pulse

Modbus

HART

Foundation Fieldbus

Relay (Low power)

Digital Frequency

Profibus DP

Profibus PA

DeviceNet

## Calibration Accuracy

Accuracy Required: +/-  0.2%  0.4%

# SIEMENS Industry

**Disclaimer**

The information contained in this data sheet is believed to be accurate however we do not assume any responsibility for errors or any liability arising from the application or use of any product herein. This data sheet neither states nor implies warranty of any kind, including fitness for any particular application.

# SIEMENS Industry

Insert a photo or a sketch of the application if available. Simply copy and paste into this table. Bitmaps should be no larger than 640 X 480

