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SITRANS General Clamp-On Flowmeter Application Data Sheet FS230 / FS220

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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 Numbers:

7ME

Process Information

Liquid Data:

Liquid Name / Description:		Solids or Gas:	% (If Applicable)	Particle Size:	(If Known)
Temp Range:	Min: Typ: Max: ☐ ºF ☐ ºC				
Pressure @ zero flow:	☐ BAR ☐ PSI	Pressure @ nominal flow:	☐ BAR ☐ PSI		
Viscosity @ Temp ☐ ºF ☐ ºC					
S.G. or API @ Temp ☐ ºF ☐ ºC					

Thermal Energy Data: (for FUE1010 Energy flowmeter only)

Supply temperature:	Min:	Typical:	Max:	☐ ºF	☐ ºC	Glycol Ratio (if present):	%
Return temperature	Min:	Typical:	Max:	☐ ºF	☐ ºC	Sensor Locatiion :	☐ Supply ☐ Return

Process:

Flow Volume Units Choose	Flow Time Units Choose
Flow Rate:	Min: Typ: Max:
The Flow is:	☐ Continuous ☐ On/Off ☐ Pulsating ☐ Single Direction ☐ Bi-Directional
If On/Off or Pulsing, describe on/off times or batch size:	Time on: Time off: Batch Size

Installation

Pipe Data:

Actual Outside Diameter: ☐ Inches ☐ mm **<OR>** Nominal Pipe Size: ☐ Inches ☐ mm

Pipe Material: Copper	Other:	Material Class: Choose	Other:
Pipe Wall Thickness:		Pipe Schedule: Choose	Other:
Liner Material: Choose	Other:	Liner Thickness: ☐ Inches ☐ mm	

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Flow Sensor Location:

Straight run in pipe diameters:	Up stream: Down stream:		
Length of unobstructed pipe:	☐ Feet ☐ Meters	Both sides of pipe accessible?	☐ Yes ☐ No
Pipe Orientation	☐ Horizontal ☐ Vertical ☐ Inclined	Direction of flow for vertical / inclined	☐ Up ☐ Down
Full Pipe?	☐ Yes ☐ Partial ☐ Intermittent		

Flow Sensor Data:

Type; Choose all applicable	☐ Submersible ☐ Dedicated ☐ Portable ☐ High Temperature Other:
Sensor Mounting:	☐ Standard (Aluminum) frames / tracks ☐ Stainless Steel enclosures

Will sensors be located:	☐ Indoors ☐ Outdoors	Will sensors be installed in a hazardous area?	☐ Yes ☐ No
If yes, Agency and Area Rating ☐FM/CSA Choose		Protection type: Choose	Other:

Temperate Sensor (RTD) Data: (for FEC920 Thermal Energy flowmeter only)

RTD Temperature Element:	☐ Clamp-On ☐ Insert	If insert, desired stem length	☐ Inches ☐ mm
RTD thermowell to be supplied by Siemens	☐ Yes ☐ No	Thermo-well Construction	☐ Standard ☐ Tapered

Pipe is insulated:	☐ Yes ☐ No	Insulation Type:	Insulation Thickness ☐ in ☐ mm

For temperature sensors (with the FEC920) Select Ohm value 100Ω ☐ 500Ω ☐ 1000Ω ☐ Wire number: 3 wire ☐ 4 wire ☐

Cables:

Length from transducer to flowmeter:	☐ Feet ☐ Meters	Type: Choose Other:

Transmitter

Will flow transmitter be installed in a hazardous area?	☐ Yes ☐ No	Input Power Choose
If yes, Approvals: ☐ **Choose** ☐ Protection type: **Choose** Other:		
Temperature @ Flow Transmiter	Min: Typ: Max:	☐ ºF ☐ ºC

Communications Channel #1:	**Outputs requiered - Channel #'s: 2, 3 & 4**	
☐ HART 4-20mA - Non-approved (Active/Passive)	☐ Non-approved (Active/Passive)	4-20mA Qty: freq Qty: pulse Qty: relay
☐ HART 4-20mA – EX-approved (Active)	☐ EX-approved (Active)	4-20mA Qty: freq Qty: pulse Qty: relay
☐ HART 4-20mA – EX-approved (Passive)	☐ EX-approved (Passive)	4-20mA Qty: freq Qty: pulse Qty: relay
☐ Modbus RTU (RS485) EX-approved		

Calibration

Accuracy Required :	+/- % of ☐ Span ☐ Flow

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Add additional application requirements or information below. You may also 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

0 Pixels.

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