

FAST Form – FLEXIM Application Support Tool



Flow

FLEXIM

Important:

All boxes with an * must be completed. All other boxes are optional.

Customer Information

Contact:			
Company:		Department:	
Address:		City/State:	ZIP Code:
E-mail:		Tel.:	
Fax:		Date:	

FLEXIM Internal only

Application

* Process description	Dedicated	Portable	WaveInjector®
	Single Channel	Dual Channel	Additional Process Description:
	* Industry:		
Refinery:	Refinery Stage:		
	Short description: (For instance: Distillation on a ADU/VDU or cracking process (supply lines))		

Pipe Parameters

* Outer diameter (od):	
* Wall thickness (wt):	
* Pipe material:	* Liner material:
* Pipe Wall Roughness:	* Liner thickness:

Fluid

* Fluid:	Gas	
	Liquid	
(For "Other Fluid" please enter name of the fluid and fill in the values for density and viscosity) Pls. enter the natural gas composition on page 2 if it applies.		
Please fill in the main components for mixtures		
Density:	Viscosity:	
* Phase	% gas	% particles
		% liquid
For gases:	Gas compressibility factor:	Standard conditions at:

Process Parameters	Operation Range	Minimum	Maximum	Unit
* Temperature:	to			
* Ambient temperature:	to			
* Pressure:	to			
Measurement Range:	Check box for Energy Measurement / BTU			
* Hazardous area?	Transducer:			
	Transmitter:			
Special Design (Transducer)	SS316	Pipe(s) are Cathodically Protected		Submersible
Installation space:				
* Straight pipe length upstream of measuring point:		Straight pipe length downstream of measuring point:		
* Distance Flow Computer and Transducer				

Transmitter Configuration		
Data logger:	yes	no
* Power supply		
* Process inputs:	1.)	2.)
	3.)	4.)
* Process outputs:	1.)	2.)
	3.)	4.)
	5.)	6.)
	7.)	8.)
The possible selection of the electrical inputs and outputs is not realisable on every transmitter type. The technical data sheets are relevant for the transmitter configuration.		
Communication Protocol:	Modbus	BacNet
A measuring point configuration can be made with the program FluxFlow. The entered parameters can be exported as a report (Menu "Report") at the end.		
Natural Gas composition in mol%:		
Methane	n-Hexane	Nitrogen
Ethane	n-Heptane	CO2
Propane	n-Octane	H2S
i-Butane	n-Nonane	Argon
n-Butane	n-Decane	Water
i-Pentane	Helium	CO
n-Pentane	Hydrogen	O2
Additional Requirements:		
Comments: (e.g. technical process description PIs. attach piping diagram or other documents)		