

FAST Form – FLEXIM Application Support Tool



FLEXIM

Flow

Important: All boxes with an * must be completed for each row (*Gas – for all gas applications; *Ded – for all dedicated transmitters except 5x07). All other boxes are optional.

Customer Information

Contact:			
Company:		Department:	
Address:		City/State:	ZIP:
E-mail:		Tel.	
Fax:		Date:	
*All	*FINAL customer of destination: (Customer, Country)		
	FLEXIM Internal only		Editor FLEXIM:

Application

Project name		TAG #	
*All	Process description	Dedicated *Single Channel	Portable *Dual Channel
			WaveInjector® Additional Process Description:
	*Industry:		

Pipe Parameters

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

Fluid

*Ded	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:	
*Gas	Phase	% gas	% particles
			% *liquid
	For gases:	Gas compressibility factor:	Standard conditions at:

Process Parameters

	Operation Range	Minimum	Maximum	Unit
*Gas	Pressure:	to		
*Ded	Temperature:	to		
*Ded	Ambient temperature:	to		
*Ded	*Measurement Range:	Energy Measurement / BTU		Standard Volume Flow
*All	Explosive Atmosphere?	*Transducer:		
		*Transmitter:		
	Special Transducer Design	SS316	Pipe(s) are Cathodically Protected	Submersible
*Ded	*Distance Transmitter to Transducer	Installation space:		
*All	*Straight pipe length upstream of measuring point:		*Straight pipe length downstream of measuring point:	

Transmitter Configuration

*Ded	*Power supply		
*Ded	*Process inputs:	1.)	2.)
		3.)	4.)
*Ded	*Process outputs:	1.)	2.)
		3.)	4.)
		5.)	6.)
		7.)	8.)

Please consult specific instrument datasheet to determine the achievable configuration of Input/Output options.

Communication Protocol:	Modbus	BACnet
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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: