



INSTRUMENT DATA SHEET

ULTRASONIC FLOW TRANSMITTER

Revision

A

Client Doc. No.							
Vendor Doc. No.	C15-ASV-FT-101	Rev.	Date	Description	By	Chk	App
Location	----	A	----	For Approval	--	--	--
Project	----						
Specification No:							
Req. Pkg. No.							

1	GEN.	Tag No	ASV-FT-101	Service :	Reflux Flow Transmitter	P&ID :	C01-ASV-PID-01-00	
2		Fluid Phase :	Liquid	Fluid :	Methanol (99.5%) + Water (0.5%)	Line No :	606/MEOH/1"	
3		Electrical Area Classification :	Class 1, Division 2, Group C, D					
4	PROCESS CONDITIONS	Process variables			Units	Min	Norm.	Max
5		Flow Rate			GPM	0.8	0.9	1.0
6		Temperature			Deg F	133	148	165.0
7		Pressure			PSIA	45	50	55.0
8		Density			lb/ft ³	-	46.85	-
9		Viscosity			cP	-	0.35	-
10		Velocity			ft/s	0.29	0.32	0.35
11		Min. Fluid Conductivity						
12		Vacuum Possibility						
13		Suspended Solids						
14	LINE	Line Size	Line Schedule	1"		40 SCH		
15		Line Material	Internal Diameter	Carbon Steel		-		
16		ANSI Rating	Insulation Thickness	ANSI B 16.5				
17	METER / SENSOR	Tag No.	ASV-FT-101					
18		Tube Size	Tube Material					
19		End Connection	ANSI Rating	Flanged	150#			
20		End Connection Material	Face to Face Dim.	SS 304	*			
21		Coil Insulation						
22		Liner Material						
23		Excitation AC/DC	*					
24		Electrode Type	Electrode Material	-				
25		Grounding Rings						
26		Enclosure Material	Enclosure Class.	SS304	WEATHER PROOF			
27	Power Supply (Volts / Hz / Amp)							
28	Electrode Cleaning							
29	TRANSMITTER	Tag No.	ASV-FT-101					
30		Range	Calibration	0 - 5 * GPM	Local Operator interface			
31		Indicator	Totalizer	Local Indication	-			
32		Mounting (Local/Remote)	Cable Spec. Requirement	Local				
33		Case Material	Enclosure Class.	Epoxy coated aluminum	WEATHER PROOF (NOTE 2)			
34		Electrical Enclosure Class.	Approval	NOTE 2				
35		Power Supply	Cable Entries	24VDC	1/2" NPT			
36		Transmitter Output	Accuracy	4-20mA, INTRINSIC SAFE (Note 1)	1%			
37	Fail Mode	RFI Protection						
38	SWITCHES	Tag No.	-					
39		Contacts Type	-					
40		Rating	-					
41		Set At	-					
42	MISC.	Manufacturer	Endress & Hauser					
43		Meter Model Number	*					
44		Transmitter Model Number	92F-Prosonic					

- NOTES:
- 1) The transmitter shall provide 4-20 mA Intrinsic Safe Signals for Class 1, Division 2, Group C, D.
 - 2) The Transmitter model is considered as 2 wire in view of Intrinsic safe signal for Classes 1, Div 2, Group C, D. If Transmitter is 4 wire with external power supply then the enclosure shall be Ex-proof suitable to Classes 1, Div 2, Group C, D
 - 3) All dimensions are in inches.

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