

Micro Motion Calculation Summary						
Date:		08.23.18				
Company:						
Project Name:						
Service:						
Sensor Model #:		CMF350M443N2EZEZZZ				
Sensor Tag(s):						
Transmitter Model #:		5700R12AEFAZZZAZZZZ				
Transmitter Tag(s):						
Wetted Material:		316L stainless steel				
Fluid:		LPG				
Fluid State:		Liquid				
Mass Flow Accuracy at Operating Flow (+/- % of Rate):		0.10000				
Density Accuracy at all Rates (+/-):		0.00050 kg/L				
Pressure Drop at Operating Flow:		0.13550 bar				
Sensor Minimum Pressure at operating conditions:		bar-g				
Velocity at Operating Flow:		7.80586 m/sec				
		Min	Operating*	Max	Design	Units
Flow Rate:		4,000	80,000	125,000		Ton(M)/hr
Pressure:			10,000			bar-g
Process Fluid Temperature:			20,000			C
Ambient Temperature:			20,000			C
Density:			0.550			kg/L
Viscosity:			0.010			cP
Gas only	Base Reference Temperature:	C				Density:
	Base Reference Pressure:	kPa-a				
	Base Reference Density:	kg/L				
Process Connection:		DN100 PN40 EN 1092-1 F316/F316L Weld neck flange Form B1				
Process Connection Pressure Rating:		39.990 bar-g				
@ Temperature:		20.000 C				
Flow Rate	Ton(M)/hr	Mass Flow Accuracy +/- % of Rate	Pressure Drop* bar	Velocity* m/sec	Re	
125,000		0.100	0.330	12,197	38507513,770	
112,900		0.100	0.269	11,016	34779986,440	
100,800		0.100	0.215	9,835	31052459,110	
88,700		0.100	0.166	8,655	27324931,770	
80,000		0.100	0.136	7,806	24644808,820	
64,500		0.100	0.088	6,293	19869877,110	
52,400		0.100	0.058	5,113	16142349,770	
40,300		0.100	0.035	3,932	12414822,440	
28,200		0.100	0.017	2,752	8687295,108	
16,100		0.100	0.006	1,571	4959767,774	
4,000		0.208	0.000	0.390	1232240,441	
*All pressure drop and velocity results are based on the process conditions (except flow rate) that are entered in the Operating column.						
Notes:						
Prepared by:		Project ID: 001-20180730-170148				
Instrument Toolkit		Version: 3.0 (Build209C)		Application: LPG DN125		

CMF350M

