

GENERAL	1	P&ID Number	Tag Number	5B1107-02-DR-00-001	002-LIT -01-1510A			
	2	Service		002-V-01-1510 L.P.IN SEP				
	3	Line Number	Equipment Number	TANK/VESSEL NOZZLE	002-V-01-1510			
	4	Area Classification	Location	Class 1 Division 2	FIELD			
	5	Ambient Temperature Range		-40 to 80 °C				
	6	Application		Level indication				
	7	Type		Guided wave radar and interface transmitter				
PROCESS CONDITIONS	8	Upper Fluid	State	HC	Liquid			
	9	Upper Fluid Dielectric Const.	Density/SG/MM		669	kg/m <sup>3</sup>		
	10	Lower Fluid	State	Water	Water			
	11	Lower Fluid Dielectric Const.	Density/SG		1016	kg/m <sup>3</sup>		
	12	Pressure	Min.	Oper.	Max.	600 kPa-g	700 kPa-g	800 kPa-g
	13	Temperature	Min.	Oper.	Max.	°C	13 °C	°C
	14	Design Pressure	Design Temperature	1379 kPa-g	-29 °C			
	15	Oper. Viscosity		cP				
16	Material Build - Up	Vibration		Yes				
17								
PROBE	18	Tag Number		002-LIT-01-1510A				
	19	Measurement Range						
	20	Temperature Range		-20 °C to 70 °C				
	21	Max. Temperature	Max. Pressure	150 °C	4000 kPa			
	22	<i>Beam Angle / Process Connection</i>		0° to 90° from vertical axis / 4" CL 300				
	23	Frequency						
	24	Temperature Compensation						
	25	Power Supply		16-42.4 Vdc				
	26	Cable Type	Length					
	27	Mounting Type		Flange mounted				
	28	<i>Sensor Positioner / Probe Type</i>		Rigid single lead (8mm)				
	29	<i>Materials: Probe / O-Ring</i>		316L SST / BUNA-N				
	30	<i>Overall Probe Length</i>		7 feet				
	31	Enclosure						
	32	Model Number		N/A				
TRANSMITTER	33	Instrument Range Limits		0	TO	7	ft	
	34	Calibrated Level Range		0	TO	7	ft	
	35	Output	Communications					
	36	Power Supply	Indicator					
	37	Span						
	38	Minimum Level (LRU)	Maximum Level (URU)					
	39	Distance Between Max. Level / Conn.						
	40	<i>Housing Material / Enclosure</i>		Polyurethane-covered Aluminum				
	41	Accuracy		± 0.12 in. (3 mm) or 0.03% of measured distance, greater one				
	42	Ambient Temperature Range		-50 °C to +70 °C				
	43	Temperature Compensation						
	44	Temperature Error						
	45	<i>Connection to Probe</i>		Flange/ thread				
	46	Electrical Connection		½ - 14 NPT				
	47	<i>CSA / CEC Single-Dual Seal</i>		Yes				
PURCHASE	48	Manufacturer		Rosemount				
	49	Model		5302HA1S1B4AE00700CBE6M1Q4				
	50	Purchase Order Number						
	51	Price						
	52	CRN Number		0F09004.2				

Notes: See Notes Page

				INSTRUMENT SPECIFICATION Ultrasonic/Radar Level Instr Code:321			
				Instr. Chk	Process Chk	Appr.	
No.	By	Date	Revision	Dwg. No.: FER-002.1102039085-J-DSH-LIT-01-1510A-01			Sheet <small>1</small> of <small>1</small>
				Rev.:			

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	2	Service		002-V-01-1510 L.P.IN SEP	

Notes:

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				Rev.:			

Project: CONVENTIONAL RED DEER / FERRIER - 11-02 GATHERING SYST / 002 - LIQUID EXTRACTION PLANT