


GENERAL	1	Comm. Protocol	Tag Number		MBS		115AT -80776		
	2	Line Number	P&ID Number		115P8017-4"-HBE		PD115-A-8000-14		
	3	Equipment Number			115-P07				
	4	Service			PROD WELL TUBING DISCH				
	5	Location			FIELD				
	6	Ambient Temperature			-45 to 35 °C				
PROCESS DATA	7	Fluid Name			Emulsion				
	8	Fluid State		Fluid Phase		Liquid		Single Phase	
	9	Flow Rate	Min	Nor	Max	UOM	37.85	43.54	Sm³/h
	10	Pressure	Min	Nor	Max	UOM	2103	2175	kPa-g
	11	Temperature	Min	Nor	Max	UOM	204.1	204.2	°C
	12	Viscosity	Min	Nor	Max	UOM	20	20	cP
	13	Density	Min	Nor	Max	UOM	857.7	857.7	kg/m³
	14	Conductivity	Min	Nor	Max	UOM			S/cm
	15	Bubble Point	Min	Nor	Max	UOM			°C
	16	Dew Point	Min	Nor	Max	UOM			°C
	17	Velocity	Min	Nor	Max	UOM			m/s
PROBE	18	Corrosive	Erosive	Solidifying	Toxic	Yes			
	19	Average Particle Size			400 micron				
	20	Tag Number			115AE-80776				
	21	Measurement Style			Metal Loss				
	22	Probe Type			CEION Tubular Probe - 0.040" THK (T40)				
	23	Line Size	Nozzle Projection			4" Sch80		150 mm	
	24	Insertion Length			Order Length: VTD mm, From flange face: VTD mm				
	25	Process Connection			2", ANSI 600#, RF Flanged, 125-150 µ-IN Finish				
	26	Nozzle / Flange Material			ASTM A106 Gr. B / ASTM A105N/A350LFC				
	27	Probe Material			316 SS body / BS 970 070 M20 CS element				
	TRANSMITTER	28	Mounting			In-Line			
29		Cable Length			10m (6 pair 22awg individually foil screened data cable)				
30		Product Code			10327G0034640A06				
31		Tag Number			115AT-80776				
32		Type			Single - Channel				
33		Output			MODBUS RS485				
34		Housing Material			SST				
35		Area Classification			Class 1 Zone 2 Group IIA				
36		Enclosure			NEMA 4X				
37		Distance to Probe			10 m				
38		Temperature Compensation			Yes				
CERTIFICATES	39	Local Indication			No				
	40	Power Supply			24 VDC, Current VTA				
	41								
	42	NACE Certificate			Yes, MR 0175 / ISO-15156				
OTHERS	43	MTR			Yes				
	44	CSA Approval			Yes				
	45								
	46	Isolation Valve			No				
	47	Gauge			Yes				
	48	Hollow Plug Assembly			Yes (PN: AHPA B03)				
PURCHASE	49								
	50								
	51	Vendor	Price		CORR SCIENCE INC.				
	52	Manufacturer	SAP Number		Cormon		02-02304		
	53	Model			10326G0000000000/10327G0034640A06				
	54	PO Number							
55	Serial Number								
56									


For Notes, See Next Page

REV 113-01

					INSTRUMENT SPECIFICATION		
					Sand Erosion Monitor		
1A	SK	AD	MR	12/06/12	Issued For Quotation		Sheet 1 of 2
Rev.	By	Chkd	Eng	Appr	Date	Description	SAP No.: 02-02304
							Doc No.: DS115-J-AT80776-1
							Rev.: 1A

Tag Number : 115AT -80776

1. The instrument shall be identified with two permanently attached 316 SS tag one riveted on & one attached with SS wire.
2. The instrument shall be supplied with an Alberta CRN number.
3. All electrical devices shall be CSA approved and meet ANSI/ISA-12.27.01
4. The transmitter is rated at -50 °C.
5. Mechanical Lift Max
Liquid: Flow - 43.54 Sm³/h; Density - 857.7 kg/m³; Superficial Velocity 1.997 m/s
Bulk Velocity: 1.63 m/s
6. Design Condition is 8149 kPag @ 278 °C
7. Std Density - 1051kg/m³.
8. Line 19, 400 micron is the maximal particle size.

				INSTRUMENT SPECIFICATION Sand Erosion Monitor		 Sheet 2 of 2	
	SK						
1A	SK	12/06/12	Issued For Quotation				
No.	By	Date	Revision	Code:117	Dwg. No.: DS115-J-AT80776-1	Rev.: 1A	