



OIL IN WATER ANALYSER

Page 1 of 1
 Requisition No. :
 Data Sheet No.:
 Project No. :
 P&ID No. :

Client :	Prep. By:	
Location :	Chkd by	
Plant :	Appvd	Rev No.:
P.O. No.:	Date	Vendor: Arjay Engineering Ltd.

	TAG No. :	QTY. 1	1 Nos.
1	Application	MEASUREMENT OF OIL IN WATER.	
2	Located On	PRODUCED WATER TREATMENT	
3	Ambient Temperature deg C	MIN: 10 C ##	MAX: 40C
4	Area Classification	CLASS 1 , ZONE 2,	
5	Manufacturer	Model Number	Arjay Engineering HydroSense 2410
6	No. of Streams	Line Size	One 3/8" tube from Process line to monitor
7	Analyser Type	Continuous on-line Oil in Water monitor, Microprocessor based	
8	Sensor Type	Principle	OPTICAL, non-contacting UV Fluorescence
9	Mounting	Enclosure	Wall Mount 316 SS housing - see note 3
10	Cable Entry	Electrical Conns	1/2" npt knock outs
11	Supply Voltage	Frequency	120 V AC +/-10% 60 Hz +/-5%
12	Relays	Rating	2 x ppm alarm, 1 Lamp fail, 1 Mtce 7 amp SDPT @ 120 VAC dry
13	Output Signal	Calib Interval	4 - 20 mA , DC Isolated monthly
14	Process conn.type	Size & Rating	threaded 3/8 " fnpt
15	Certification	CSA HazLoc and Entela/UL Electrical Safety and ABS Type Approval	
16	Enclosure Protection	Type 4X , Div. 2, Zone 2	
17	Sensor Insertion Length	1/2 diameter of process pipe	
18	Material of Construction		
19	- Sensor	non-contacting	
20	- Wetted parts	316 SS wetted metals and Hydrocarbon resistant polymer	
21	- Flange	not applicable	
22	Accuracy	+ / - .1 ppm (Instrument accuracy only, Process Variations affect accuracy)	
23	Repeatability	+ / - 1 ppm of the span	
24	Range	0- 500 ppm	
25	Calibration Span	0 - 100 ppm, field selectable 0-10 to 0-500	
26	Display	4-line LCD in ppm and % of output range	
27	Fluid	PROCESS WATER	
28	Flow	M ³ . / hr.	Norm: MAX:
29	Density	Kg / m ³	
30	Pressure	kPag	NORM: MAX:
31	Temperature	Deg.C	MIN: 10 MAX: 40
32	Viscosity	cP	
33	Design Pressure	kPag	
34	Design Temperature	Deg. F	

35	NOTES	1. Site to provide 3/8" sample line to HydroSense with a constant feed pressure of minimum 5 psi.
36		Flowrate through monitor will be approximately 1 liter/minute.
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38		2. Model Hydrosense 2410 by Arjay Engineering.
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40		3 The instrument controller and sample sensor chamber shall be close coupled. Sample flow expels by gravity to open drain.
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