





DATA SHEET FOR DIFFERENTIAL PRESSURE LEVEL TRANSMITTERS						43LXT -015A		
Rev	Units				Units			
1	GENERAL :			60	GENERAL :			
2	Tag number	43LXT -015A		61	Plant / Unit	NIS_PANCEVO/ S-4300 - MHC/DHT		
3	Service	FA-4304 DHT FEED SURGE DRUM		62	Location	Pancevo, Serbia		
4	Equipment	FA-4304		63	Zone	2		
5	Piping Class	B01F00A		64	Gas group	IIC		
6	P&I Drawing Number	02163-50-43-0013		65	Temp category	T3		
7				66				
8	BODY			67	ELECTRONICS			
9	Measuring function	Level		68	Type			
10	Measuring method or type	Piezoresistive		69	Power supply / from	24V DC / Loop		
11	Body material	SST 316		70	Output signal / HART	4-20mA / Yes		
12	Fill fluid / Max. operating temp.	Silicone / 120		71	Burn-out direction	Upscale		
13	Diaphragm material	Hastelloy C-276		72	Electrical connections	Screwed terminals		
14	Gasket material	Glass filled TFE		73	Cable entry	M20x1.5		
15	Gold coating	No		74	Local indicator	No		
16	Process connection	Remote Seals		75	IP-code	66/67		
17	Bolts and nuts	STD		76	Explosion prot. cert. Transmitter	II 1G Ex ia IIC T4		
18	Max. over pressure	barg	250	77	Calibration and Configuration Report	YES		
19	Measuring range	%	0 - 100	78				
20	Upper range limit	mbar	0 - 1000	79				
21	Minimum span	mbar	0 - 5	80				
22	Adjusted range	mbar	-965.7 - -342.1	81	ACCESSORIES			
23	Level range	mm	150 - 9350 above T.L.	82	Mounting bracket	Yes		
24	Accuracy	%	0.15 of span	83				
25	CHEMICAL SEALS			84	Flushing Ring	SST 316, 2x 1/2" NPTF w.Plug		
26	Remote / integral seal	Remote		85	Wired on SST Tag Plate	Yes		
27	Flush or extended	Flush - pancake		86				
28	Flange size / rating	in / LBS	2 / 300	87				
29	Flange facing / finish	ASME B16.5 / RF, Smooth		88				
30	Flange material	Flanges by Others		89	SPECIAL REQUIREMENTS			
31	Housing material	SST 316 L		90	NACE requirements	No		
32	Diaphragm material	SST 316 L		91	Environmental requirements	No		
33	Gold coating	No		92	Material certificate	EN 10204 3.1		
34	Density of filling fluid @ 25°C	kg/ml	1070	93	Special req. for service	No		
35	Length of capillary	m	2 x 9m	94	IEC 61508 certification	SIL 2		
36	Filling fluid of capillary	BSO-42		95	Pressure test	Yes		
37	Capillary material / armouring	SST / SST		96				
38	PROCESS DATA @ OPER. COND.:			97				
39	Medium upper/lower	Nitrogen / DHT Feed		98				
40	Phase upper/lower	Gas/Vapor / Liquid		99				
41	Operating conditions	Min.	Norm.	Max.	100			
42	Pressure	barg		3.5	101			
43	Temperature	°C		227	102			
44	Density upper fluid	kg/ml		3.0349	103			
45	Density lower fluid	kg/ml		691	104			
46	Viscosity upper fluid	cP		0.02601	105			
47	Viscosity lower fluid	cP			106	NON-VENDOR RELATED INFO:		
48	Corrosive	No			107	Winterizing / Heating	EP20	
49	Toxic	No			108	Tracing temperature		
50	Containing particles				109			
51	Design pressure	barg	9	/ Full Vacuum	110			
52	Design temperature min / max	°C		/ 260	111			
53	PURCHASE DATA:			112				
54	Manufacturer	YOKOGAWA		113	REMARKS:			
55	Model number	EJX110A-EMSWJ-919ND/KU21/D3/N4		114	Transmitter body shall NOT be equipped with drain/vent plugs			
56	Cap. mod. num	DFSBCJXM-05A1SSSS-F1C109/FRP4/N5		115	260°C Vessel metal design temperature, temperature at measuring point expected maximum 200°C.			
57	Serial number			116				
58	Supplier	YOKOGAWA		117				
59	Item number	159		118				

Eng. by:	CB&I Lummus s.r.o., Brno, Czech Republic	 	Page / Pages:	1 / 1	Rev. 2
Client:	NIS Petroleum Industry of Serbia, Pancevo, Serbia		Dwg no.:	02163-3410	
			Req. no.:	3410	

DATA SHEET FOR DIFFERENTIAL PRESSURE LEVEL TRANSMITTERS						43LT -074		
Rev	Units			Units				
1	GENERAL :			60	GENERAL :			
2	Tag number	43LT -074		61	Plant / Unit	NIS_PANCEVO/S-4300 - MHC/DHT		
3	Service	DA-4305 FRACTIONATOR		62	Location	Pancevo, Serbia		
4	Equipment	DA-4305		63	Zone	2		
5	Piping Class	B22E25A		64	Gas group	IIC		
6	P&I Drawing Number	02163-50-43-0037		65	Temp category	T3		
7				66				
8	BODY			67	ELECTRONICS			
9	Measuring function	Level		68	Type			
10	Measuring method or type	Piezoresistive		69	Power supply / from	24V DC / Loop		
11	Body material	SST 316		70	Output signal / HART	4-20mA / Yes		
12	Fill fluid / Max. operating temp.	Silicone / 120		71	Burn-out direction	Upscale		
13	Diaphragm material	Hastelloy C-276		72	Electrical connections	Screwed terminals		
14	Gasket material	Glass filled TFE		73	Cable entry	M20x1.5		
15	Gold coating	No		74	Local indicator	No		
16	Process connection	Remote Seals		75	IP-code	66/67		
17	Bolts and nuts	STD		76	Explosion prot. cert. Transmitter	II 1G Ex ia IIC T4		
18	Max. over pressure	barg	250	77	Calibration and Configuration Report	YES		
19	Measuring range	%	0 - 100	78				
20	Upper range limit	mbar	0 - 1000	79				
21	Minimum span	mbar	0 - 5	80				
22	Adjusted range	mbar	-83.7 - -34	81	ACCESSORIES			
23	Level range	mm	200 - 1000 above T.L.	82	Mounting bracket	Yes		
24	Accuracy	%	0.15 of span	83				
25	CHEMICAL SEALS			84	Flushing Ring	SST 316, 2x 1/2" NPTF w.Plug		
26	Remote / integral seal	Remote		85	Wired on SST Tag Plate	Yes		
27	Flush or extended	Flush - pancake		86				
28	Flange size / rating	in / LBS	3 / 300	87				
29	Flange facing / finish	ASME B16.5 / RF, Smooth		88				
30	Flange material	Flanges by Others		89	SPECIAL REQUIREMENTS			
31	Housing material	SST 316 L		90	NACE requirements	No		
32	Diaphragm material	SST 316 L		91	Environmental requirements	No		
33	Gold coating	No		92	Material certificate	EN 10204 3.1		
34	Density of filling fluid @ 25°C	kg/ml	1070	93	Special req. for service	No		
35	Length of capillary	m	2 x 4m	94	IEC 61508 certification	No		
36	Filling fluid of capillary	BSO-42		95	Pressure test	Yes		
37	Capillary material / armouring	SST / SST		96				
38	PROCESS DATA @ OPER. COND.:			97				
39	Medium upper/lower	HC+Steam / Fractionator Bottc		98				
40	Phase upper/lower	Gas/Vapor / Liquid		99				
41	Operating conditions	Min.	Norm.	Max.	100			
42	Pressure	barg	1.7		101			
43	Temperature	°C	371		102			
44	Density upper fluid	kg/ml	1	3	103			
45	Density lower fluid	kg/ml		637	104			
46	Viscosity upper fluid	cP			105			
47	Viscosity lower fluid	cP			106	NON-VENDOR RELATED INFO:		
48	Corrosive	No		107	Winterizing / Heating	EP20		
49	Toxic	No		108	Tracing temperature			
50	Containing particles			109				
51	Design pressure	barg	4.5	/ Full Vacuum	110			
52	Design temperature min / max	°C		/ 405	111			
53	PURCHASE DATA:			112				
54	Manufacturer	YOKOGAWA		113	REMARKS:			
55	Model number	EJX110A-EMSWJ-919ND/KU21/D3/N4		114	Transmitter body shall NOT be equipped with drain/vent plugs			
56	Cap. mod. num	DFSBCJXM-08A1SSSS-F1C104/FRP8/N5		115	405°C Vessel metal design temperature, temperature at measuring point expected maximum 350°C.			
57	Serial number			116				
58	Supplier	YOKOGAWA		117				
59	Item number	146		118				

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50	Containing particles			109				
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