



DATA SHEET FOR PRESSURE AND DIFFERENTIAL PRESSURE TRANSMITTERS						445PDT -181	
Rev	Units				Units		
1	GENERAL :			60	GENERAL :		
2	Tag number	445PDT -181		61	Plant / Unit	NIS_PANCEVC/S-4450 - SRU II	
3	Service	DA-44502 WATER TRAY		62	Location	Pancevo, Serbia	
4	Equipment	DA-44502		63	Zone	2	
5	Piping Class	B01G25A		64	Gas group	IIC	
6	P&I Drawing Number	02163-50-445-0015		65	Temp category	T3	
7				66			
8	BODY			67	ELECTRONICS		
9	Measuring function	Diff. Pressure		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.	°C	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	mbar	0 - 600	78			
20	Upper range limit	mbar	0 - 1000	79			
21	Minimum span	mbar	0 - 5	80			
22	Accuracy	%	0.15 of span	81	ACCESSORIES		
23				82	Mounting bracket	Yes	
24				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	Yes	
32	Diaphragm material	Hastelloy C-276		91	Environmental requirements	No	
33	Gold coating	No		92	Material certificate	EN 10204 3.1	
34	Density of filling fluid @ 25°C	kg/ml	950	93	Special req. for service	No	
35	Length of capillary	m	2 x 6m	94	IEC 61508 certification	No	
36	Filling fluid of capillary	BSO-22		95	Pressure test	Yes	
37	Capillary material / armouring	SST / SST		96			
38	PROCESS DATA @ OPER. COND.:			97			
39	Medium / phase	Process Gas / Gas/Vapor		98			
40				99			
41	Operating conditions	Min.	Norm.	Max.	100		
42	Differential pressure	mbar	10	30	100	101	
43						102	
44	Temperature	°C		72.2		103	
45	High viscous / Solidifying			/		104	
46	Corrosive	Yes				105	
47	Toxic	Yes				106	NON-VENDOR RELATED INFO:
48	Pulsation					107	Winterizing / Heating EW
49						108	Tracing temperature
50	Design pressure	barg	3.5	/ Full Vacuum		109	
51	Design temperature min / max	°C		/ 195		110	
52						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	DFSBCEJXM-05A1SSHC-F3C106/NACE/FRP4/N5		115			
57	Serial number			116			
58	Supplier	YOKOGAWA		117			
59	Item number	315		118			

Eng. by: CB&I Lummus s.r.o., Brno, Czech Republic

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Page / Pages: 1 / 1

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Pressure and DP Transmitters