


DATA SHEET FOR TEMPERATURE ASSEMBLIES (RTD, TC ELEMENTS, TRANSMITTERS)										TE -1670501A1	
Rev	Units				Units						
1	GENERAL :				60	GENERAL :					
2	Tag number				TE -1670501A1	61	Plant / Unit				NIS_PANCEVC/S-16700 - LPG STO
3	Service				PROPYLENE IN FB-16705, RTD1	62	Location				Pancevo, Serbia
4	Equipment				FB-16705	63	Zone				2
5						64	Gas group				IIA
6	P&I Drawing Number				02163-50-167-0006	65	Temp category				T2
7	Critical to					66					
8	THERMOWELL					67	TRANSMITTER				
9						68	Tag number				N/A
10	Standard drawing				02163-60-00-0601-426_3	69	Type				
11	Process connection				ASME B16,5 RF 3,2-6,3 Ra	70	Power supply / from				/
12	Size / Rating				in / LBS 3" / 300#	71	Output signal / HART				/
13	Flange/Well material				SS 316, pipe 2" sch.80	72	Burnout direction				
14	Immersion length "L2"				mm 12 783	73	Local display				
15	Sensor connection				Cover Flange	74	Calibrated range				°C -40 - 50
16	Supplier of Thermowell				will be supplied by OTHERS	75	Accuracy				%
17						76	Cable entry				
18						77	IP code				
19						78	Explosion prot. cert. Transmitter				II 2G Ex ia IIB T3
20						79	Electrical connections				
21						80	Calibration and Configuration Report				YES
22						81					
23						82					
24						83					
25	SENSOR					84					
26						85					
27	Sensor type				Multispot 6x PT100 , Rem.1	86					
28	Junction					87					
29	Tolerance class				1/6 DIN Class B	88					
30	Insertion length "L1"				mm 10 000	89					
31	Sheath outside diameter				mm 1"	90					
32	Extension length				mm 2 250	91					
33	Connection head				Integrated Junction Box	92					
34	Sensor length				mm 12 250	93					
35	Top fitting				SS pipe with thread M25x1,5	94					
36	Cover Flange				ANSI 1,5" Class 150#	95					
37	Anchor Weight				2,5 kg, Ø40x250mm	96					
38	PROCESS DATA:					97	SPECIAL REQUIREMENTS				
39	Medium				Propylene Vapor	98	NACE requirements				NO
40	Phase				Liquid	99	Material certificate				EN10204 3.1 (Thermowell)
41	Operating conditions				Min. Norm. Max.	100	Special req. for service				NO
42	Flow				kg/h	101	IEC 61508 certification				NO
43	Pressure				barg 0 12,2 15,7	102	Pressure test				NO
44	Temperature				°C -28 30 40	103	Custody transfer measurement				Yes
45	Density				kg/m³ 477	104					
46	Viscosity				cP 0,14 0,085	105					
47	Compressibility (Z)					106	NON-VENDOR RELATED INFO:				
48	Molecular Mass					107	Winterizing / Heating				-
49	Spec. heat Cp/Cv					108	Tracing temperature				°C
50	Corrosive				No	109					
51	Toxic					110					
52	Design pressure				barg 18	111					
53	Design temperature min. / max. °C				-48 / 65	112					
54	PURCHASE DATA:					113	REMARKS:				
55	Manufacturer				SAAB Rosemount	114	1. TE-1670501A1 (RTD1) hosts TE-1670501A2...6 (RTD2...6) as well. Insertion length is length of active part with PT100 elements. Extension length is length from flange of inactive part (without PT100). Silicon oil for thermowell filling to be delivered.				
56	Model number				MST12550 A5C06P1101A1000 /150/2155/4160/6165/8171	115					
57	Serial number				/10175	116					
58	Supplier				EMERSON PROCESS MANAGEMENT	117					
59	Item number				05	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.:		
			Req. no.	3020	

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