

		Southern Adish Gas Condensate Refinery Project						 ADISH Southern Adish Gas Condensate Refinery Company		
		Data Sheets, Temperature Gauges								
		Project	MR. No.	Unit	Disc	Type	Seq. No		Rev.	
Class : 1		SACR	728	GEN	IN	DSH	2801	00	Page 163 of 210	
Temperature Gauge										
GENERAL	1	Item Number		Tag Number		Quantity		TG-505-023 1		
	2	Service						E-505-04 CWR SIDE		
	3	P & ID No.						SACR-DE-LPG-PR-PID-1206		
	4	Line/Equipment No.		Piping Class		CWR-4"-505-005-B1L1-PT		B1L1		
PROCESS CONDITIONS	5	Fluid		Phase		COOLING WATER		Liquid		
	6	Oper. Press.				Unit		6.2 Bar(g)		
	7	Design Press.		Min Max				16 Bar(g)		
	8	Oper. Temp.				Unit		45 °C		
	9	Design Temp.		Min Max				85 °C		
	10	Oper. Density				Unit		990.50 Kg/m3		
	11	Oper. Viscosity				Unit		0.600 cP		
	12	Maximum Velocity				Unit		2.4 m/s		
	13	Corrosive Service		Nace Requirement (MR 0175)		No		No		
	14	Toxic Service		Solid Particle		No		No		
Thermometer	15									
	16	Type				Direct				
	17	Instrument Range				Unit		0 - 80 °C		
	18	Dial Size (mm)		Dial Color		160 Nominal		White with black figures		
	19	Case Material				Stainless Steel				
	20	Element Type		Element Material		Bimetal		316SS		
	21	Connection Type		Connection Size		Threaded		1/2" NPT		
	22	Pointer Color		Pointer Material		Black		Aluminium		
	23	Stem Type		Stem Material		Threaded		Stainless Steel		
	24	Stem Position				Adjustable				
	25	Stem Length		Stem Diameter		308 mm		8mm		
	26	Accuracy		Ingress Protection		Class 1 acc. to EN13190		IP65		
	27	Window Material				Laminated safety glass				
	28	Over range Protection				-				
	29	External Calibration Adjustment				Yes				
	30	Adjustable Compression Fitting				-				
	31	Form				Every Angle				
	32	Filled System		Type		N/A				
	33			Compensation						
	34			Capillary Length						
	35			Capillary Material						
	36			Armour Material						
	37			Bulb Material						
	38			Bulb Length						
	39			Bulb Type						
	40			Bulb Connection						
	41			Bulb SAMA Class						
	Thermowell	42								
		43	Process Connection		Size Rating Facing					
		44	Connection Type							
45		Well & Flange Material								
46		Instrument Connection								
47		Insertion Length (U) mm								
48		Lagging Extension (T) mm								
49		Bore Diameter		Tip Thickness						
50		Root Diameter		Tip Diameter						
51		Treatment		Coating		-		-		
52		Finish				-				
53		Stamping				-				
54		Name Plate Material								
55		Standard Drawing Number				-				
56		Anti Abrasion Material		Anti Abrasion Thickness (mm)		-		-		
57	Screwed Plug and Chain									
58	Wake Frequency Calculation									
PURCHASE	59	Manufacturer				WIKA				
	60	Model				TG54.160				
	61	Requisition Number								
Notes:										