

GENERAL											
1	Tag No.	TIT-RU0001A-01,TIT-RU0001B-01			7	AREA Classification	Zone 2 IIB T3				
2	Service	Compressor Suction			8						
3	Line No.	5"-PR-RU0001(A/B)01-ML3R1-C			9						
4	Line Size	Line Schedule	5"		10						
5	Equipment No.	-			11						
6	PID No.	EI027-HSE-VD-PR-PID-002 (2/7)			12						
ELEMENT / THERMOWELL					PROCESS DATA						
13	Element	Tolerance as per	RTD	IEC-60751	56	Fluid Name / Phase	Propane / Vapor				
14	Element Type	PT100Ω-0°C-Resistance			57	Solids in Fluid	Kg				
15	Element Wires Material	Single RTD PT100 (3W)			58	Operating Conditions	Min	Norm	Max		
16	Quantity	1			59	Operating Pressure	bar A		4.7		
17	Element External Diameter	6 mm			60	Temperature	°C		-0.07		
18	Wire Size	Insulation	0.5 mm	Mg. Oxide	61	Flow	Kg/h				
19	Sheath Material	316 SS			62	Max. Velocity	m/s				
20	Connection Type	3 Wire			63	Design Pressure	bar G		FV	22	
21	Spring Load	Yes			64	Design Temp. Min / Max	°C		-29	120	
22	Hot Junction	-			65	Corrosive Agents	-				
23	Thermowell Construction	Barstock Drilled			66	Toxic Agents	-				
24	Standard Drawing	-			67	Density	Kg/m3		10.22		
25	Thermowell Material	316L SS			68	Viscosity	cP		0.0078		
26	Insertion Length "U"	80 mm			69						
27	Lagging Extension "T"	50 mm				TRANSMITTER					
28	Overall Thermowell Extension	130 mm			70	Location / Mounting	Local / vertical				
29	Length Code	-			71	Electrical Protection	Ex ia IIB T3				
30	Flange Material	-			72	Housing Material	Die-cast AL				
31	Size	Rating	Facing	1/2" BSPT	73	Burn-out direction	-				
32	Internal connection	M20 x 1.5			74	Cold Junction Compensation					
33	Thermowell Supply	Yes			75	Electical Connections	Yes				
34	Thermowell Tag				76	Cable Entries Qty.	2				
35	Stamping	Engraved			77	Integral Indicator / Mounting	Yes				
36	Process Connection	Thread			78	IP Rating	IP 65				
	EXTENSION NIPPLE				79	Accuracy	+/- 0.2% F.S.				
37	Extension Type	Nipple Union			80	Calibration Range	°C		-50	-	150
38	Nipple Length	50 mm			81	Instrument Range	°C		-50	-	150
39	Process Connection	1/2"			82	Cable Gland size	M20 x 1.5				
40	Compression Gland Material	Stainless Steel				COMMUNICATION					
	HEAD				83	Power Supply / From	24 Vdc		System		
41	Head Type	Standard			84	Output Signal	4-20 mA Hart				
42	Head Material	Stainless Steel			85						
43	Electical enclosure Class	IP 65				CONFIGURATION					
44	Electrical Connections	M20 x 1.5			86	Input Range Limits	°C		-50	-	150
45	Terminal Block	Lead Wires			87	Factory Configuration	Yes				
46	Screw Cover / Chain	No			88	Factory Calibration	Yes				
47	Specific Span	-50	-	150	89						
48						REQUIREMENTS AND TEST					
49					90	NACE Requirments	No				
	ACCESSORIES				91	Hydro Test	Yes				
50	Sunshade	No			92	Material Certification	3.1 Material Certificate				
51	Nipple	No			93	Test Requirements	Yes				
52	Chain	No			94	Factory Checking	Yes				
53					95	Factory Calibration	N/A				
54					96	PMI	No				
55					97	NDE	Manufacturer's Standard				
	PURCHASE DATA				NOTES						
98	Manufacturer	WIKA			104	Note 1: Element and transmitter installed on same housing. Transmitter to be locally mounted attached on temperature element Note 2: Wake frequency calculation will be submitted by Vendor.					
99	Model Number	TIF50/TW10									
100	Smart Plant Code / Glovia Code										
101	Mtr. Requisition										
102	Purchase Order No.										
103	Item Number										

GENERAL											
1	Tag No.	TIT-RU0001A-02,TIT-RU0001B-02			7	AREA Classification	Zone 2 IIB T3				
2	Service	Lub Oil			8						
3	Line No.	2"-01-RU0001(A/B)5-MS3R0-E			9						
4	Line Size	Line Schedule	2"		10						
5	Equipment No.	-			11						
6	PID No.	EI027-HSE-VD-PR-PID-002 (2/7)			12						
ELEMENT / THERMOWELL						PROCESS DATA					
13	Element	Tolerance as per	RTD	IEC-60751	56	Fluid Name / Phase	Lubricant Oil / Liquid				
14	Element Type	PT100Q-0°C-Resistance			57	Solids in Fluid	Kg	-			
15	Element Wires Material	Single RTD PT100 (3W)			58	Operating Conditions	Min	Norm	Max		
16	Quantity	1			59	Operating Pressure	bar A	22.5			
17	Element External Diameter	6 mm			60	Temperature	°C	60			
18	Wire Size	Insulation	0.5 mm	Mg. Oxide	61	Flow	Kg/h	3208			
19	Sheath Material	316 SS			62	Max. Velocity	m/s	0.5			
20	Connection Type	3 Wire			63	Design Pressure Min / Max	bar G	26			
21	Spring Load	Yes			64	Design Temp. Min / Max	° C	-29	100		
22	Hot Junction	-			65	Corrosive Agents	-				
23	Thermowell Construction	Barstock Drilled			66	Toxic Agents	-				
24	Standard Drawing	-			67	Density	Kg/m3	1005			
25	Thermowell Material	316L SS			68	Viscosity	cP	12			
26	Insertion Length "U"	50 mm			69						
27	Lagging Extension "T"	50 mm									
28	Overall Thermowell Extension	100 mm			70	Location / Mounting	Local / vertical				
29	Length Code	-			71	Electrical Protection	Ex ia IIB T3				
30	Flange Material	-			72	Housing Material	Die-cast AL				
31	Size	Rating	Facing	1/2" BSPT	73	Burn-out direction	-				
32	Internal connection	M20 x 1.5			74	Cold Junction Compensation					
33	Thermowell Supply	Yes			75	Electical Connections	Yes				
34	Thermowell Tag				76	Cable Entries Qty.	2				
35	Stamping	Engraved			77	Integral Indicator / Mounting	Yes				
36	Process Connection	Thread			78	IP Rating	IP 65				
					79	Accuracy	+/- 0.2% F.S.				
EXTENSION NIPPLE											
37	Extension Type	Nipple Union			80	Calibration Range	°C	-50	-	150	
38	Nipple Length	50 mm			81	Instrument Range	°C	-50	-	150	
39	Process Connection	-			82	Cable Gland size	M20 x 1.5				
40	Compression Gland Material	Stainless Steel									
HEAD						COMMUNICATION					
41	Head Type	Standard			83	Power Supply / From	24 Vdc	System			
42	Head Material	Stainless Steel			84	Output Signal	4-20 mA Hart				
43	Electical enclosure Class	IP 65			85						
CONFIGURATION											
44	Electrical Connections	M20 x 1.5			86	Input Range Limits	°C	-	-	-	
45	Terminal Block	Lead Wires			87	Factory Configuration	Yes				
46	Screw Cover / Chain	No			88	Factory Calibration	Yes				
47	Specific Span	-50	-	150	89						
48											
REQUIREMENTS AND TEST											
49					90	NACE Requirments	No				
					91	Hydro Test	Yes				
ACCESSORIES											
50	Sunshade	No			92	Material Certification	3.1 Material Certificate				
51	Nipple	No			93	Test Requirements	Yes				
52	Chain	No			94	Factory Checking	Yes				
53					95	Factory Calibration	N/A				
54					96	PMI	No				
55					97	NDE	Manufacturer's Standard				
PURCHASE DATA						NOTES					
98	Manufacturer	WIKA			104	Note 1: Element and transmitter installed on same housing. Transmitter to be locally mounted attached on temperature element Note 2: Wake frequency calculation will be submitted by Vendor.					
99	Model Number	TIF50/TW10									
100	Smart Plant Code / Glovia Code										
101	Mtr. Requisition										
102	Purchase Order No.										
103	Item Number										

GENERAL											
1	Tag No.	TIT-RU0001A-03,TIT-RU0001B-03			7	AREA Classification	Zone 2 IIB T3				
2	Service	Oil Separator			8						
3	Line No.				9						
4	Line Size	Line Schedule			10						
5	Equipment No.	RU0001(A/B)-D-01			11						
6	PID No.	EI027-HSE-VD-PR-PID-002 (3/7)			12						
ELEMENT / THERMOWELL					PROCESS DATA						
13	Element	Tolerance as per	RTD	IEC-60751	56	Fluid Name / Phase	Lubricant Oil / Liquid				
14	Element Type	PT100Ω-0°C-Resistance			57	Solids in Fluid	Kg	-			
15	Element Wires Material	Single RTD PT100 (3W)			58	Operating Conditions	Min	Norm	Max		
16	Quantity	1			59	Operating Pressure	bar A	20.2			
17	Element External Diameter	6 mm			60	Temperature	°C	73.5			
18	Wire Size	Insulation	0.5 mm	Mg. Oxide	61	Flow	Kg/h				
19	Sheath Material	316 SS			62	Max. Velocity	m/s				
20	Connection Type	3 Wire			63	Design Pressure	mm / Max	bar G		22	
21	Spring Load	Yes			64	Design Temp. mm / Max	°C	-29	100		
22	Hot Junction	-			65	Corrosive Agents	-				
23	Thermowell Construction	Barstock Drilled			66	Toxic Agents	-				
24	Standard Drawing	-			67	Density	Kg/m3	1005			
25	Thermowell Material	316L SS			68	Viscosity	cP	12			
26	Insertion Length "U"	200 mm			69						
27	Lagging Extension "T"	50 mm				TRANSMITTER					
28	Overall Thermowell Extension	250 mm			70	Location / Mounting	Local / vertical				
29	Length Code	-			71	Electrical Protection	Ex ia IIB T3				
30	Flange Material	-			72	Housing Material	Die-cast AL				
31	Size	Rating	Facing	1/2" BSPT	73	Burn-out direction	-				
32	Internal connection	M20 x 1.5			74	Cold Junction Compensation					
33	Thermowell Supply	Yes			75	Electical Connections	Yes				
34	Thermowell Tag				76	Cable Entries Qty.	2				
35	Stamping	Engraved			77	Integral Indicator / Mounting	Yes				
36	Process Connection	Thread			78	IP Rating	IP 65				
	EXTENSION NIPPLE				79	Accuracy	+/- 0.2% F.S.				
37	Extension Type	Nipple Union			80	Calibration Range	°C	-50	-	150	
38	Nipple Length	100 mm			81	Instrument Range	°C	-50	-	150	
39	Process Connection	-			82	Cable Gland size	M20 x 1.5				
40	Compression Gland Material	Stainless Steel				COMMUNICATION					
	HEAD				83	Power Supply / From	24 Vdc	System			
41	Head Type	Standard			84	Output Signal	4-20 mA Hart				
42	Head Material	Stainless Steel			85						
43	Electical enclosure Class	IP 65				CONFIGURATION					
44	Electrical Connections	M20 x 1.5			86	Input Range Limits	°C	VTA	-	VTA	
45	Terminal Block	Lead Wires			87	Factory Configuration	Yes				
46	Screw Cover / Chain	No			88	Factory Calibration	Yes				
47	Specific Span	-50	-	150	89						
48						REQUIREMENTS AND TEST					
49					90	NACE Requirments	No				
	ACCESSORIES				91	Hydro Test	Yes				
50	Sunshade	No			92	Material Certification	3.1 Material Certificate				
51	Nipple	No			93	Test Requirements	Yes				
52	Chain	No			94	Factory Checking	Yes				
53					95	Factory Calibration	N/A				
54					96	PMI	No				
55					97	NDE	Manufacturer's Standard				
	PURCHASE DATA				NOTES						
98	Manufacturer	WIKA			104	Note 1: Element and transmitter installed on same housing. Transmitter to be locally mounted attached on temperature element Note 2: Wake frequency calculation will be submitted by Vendor.					
99	Model Number	TIF50/TW10									
100	Smart Plant Code / Glovia Code										
101	Mtr. Requisition										
102	Purchase Order No.										
103	Item Number										