



Series UTSU

Temperature Transmitter



UTSU sensing element has excellent properties by using RTD and remote transmission is implemented with the 2wire 4~20mA output. It is Protection (IP65) to be used under poor environments.

Feature

- Two wire 4~20mA output
- Measuring range -50~400°C
- 0.5%FS accuracy
- Stainless steel(316L) media-wetted materials

Applications

- Chemical & Petrochemical
- Process Control & Monitoring
- Food & Pharmaceutical
- Plant utility monitoring

SPECIFICATIONS

Range	
-50~0, -50~50, 0~50, 100, 200, 300, 400°C	
Sensing Element	
Sheathed RTD(PT100Ω)	
Performance	
Accuracy	±0.5%FS
Ambient Temperature Range	-20 ~ 80°C
Storage Temperature Range	-40 ~ 100°C
Electrical	
Excitation	11 ~ 28VDC
Output	4~20mA(2Wire)
Electrical Connection	Connector, DIN Connector, Head-G(PF)1/2"
Physical	
Vibration	49.1m/s ² {5G}, 10~500Hz
Shock	490m/s ² {50G}
Process Connection	R(PT)1/2", Flange & Other Connection Available on Request
Media-Wetted Materials	Stainless Steel 316, Other Available on Request
Protection	IP65 (Only DIN Connector, Head)
Weight	Approx. 300g (Standard type only)

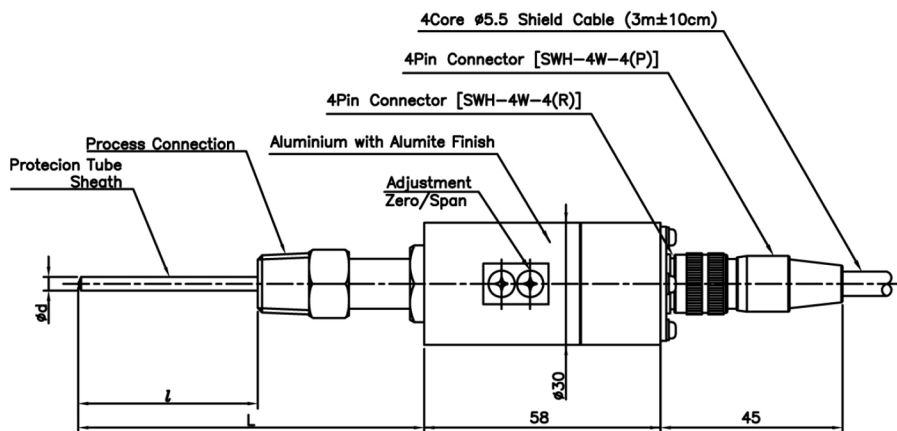
* Specifications are subject to change without notice

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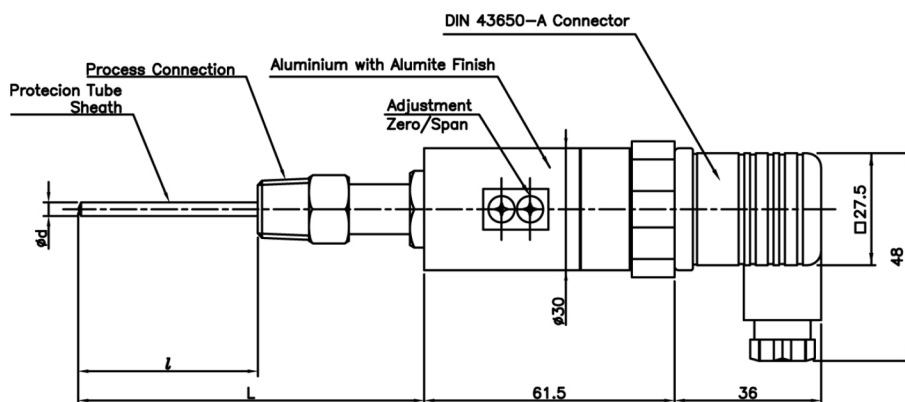
Dimension

► Connector Type



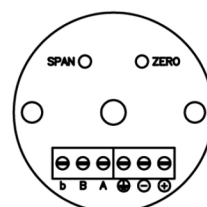
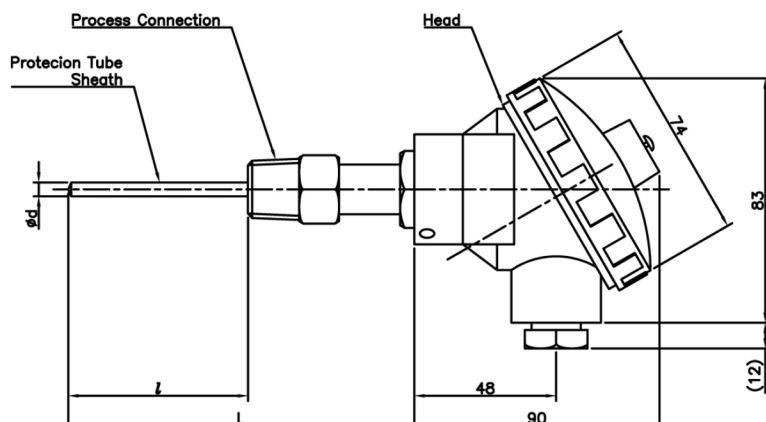
Pin No.	Wire Color	Connections
1	Red	Input ⊕
2	—	×
3	Black	Output ⊕
4	—	×
	Shield	Earth

► Din connector Type



Pin No.	Connections
1	Input ⊕
2	Output ⊕
3	×
⊕	Earth

► Head Type



Transmitter Module
(TA100)

Pin No.	Connections
A	PT100Ω A
B	PT100Ω B
b	PT100Ω b
⊕	Earth
—	OUTPUT ⊕
+	INPUT ⊕

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Ordering Information

Model Name		UTSU	0010	C	48	-	100	/	50	-	G/A	-	H	Electrical Connection	
Temperature Range		C050 : -50~0°C		0200 : 0~200°C		±050 : -50~50°C		0300 : 0~300°C		0050 : 0~50°C		0400 : 0~400°C		P : Connector	
Temperature Unit		C : Celsius(°C)		F : Fahrenheit(°F)										I : DIN Connector	
Sheath Out Diameter		32 : Φ3.2		64 : Φ6.4		48 : Φ4.8		80 : Φ8.0						H : Head	
Length		L(mm)												Material of Protection Tube	
														A : STS316	
														D : Titanium	
														B : STS316L	
														E : Monel	
														C : STS304	
														Process Connection	
														A : R(PT)3/8"	
														G : R(PT)1/8"	
														B : G(PF)3/8"	
														H : G(PF)1/8"	
														C : R(PT)1/4"	
														E : R(PT)1/2"	
														D : G(PF)1/4"	
														Q : G(PF)1/2"	
														Insert Length	
														ℓ(mm)	