

Model TSRT

Temperature Transmitter

Description

TSRT 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.

Features

- ▶ Two wire 4~20mA output
- ▶ Measuring range -50~400℃
- ▶ 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℃

Sensing Element

Sheathed RTD(PT100Ω)

Performance

Accuracy	±0.5%FS
Ambient Temperature Range	-20 ~ 80℃
Storage Temperature Range	-40 ~ 100℃

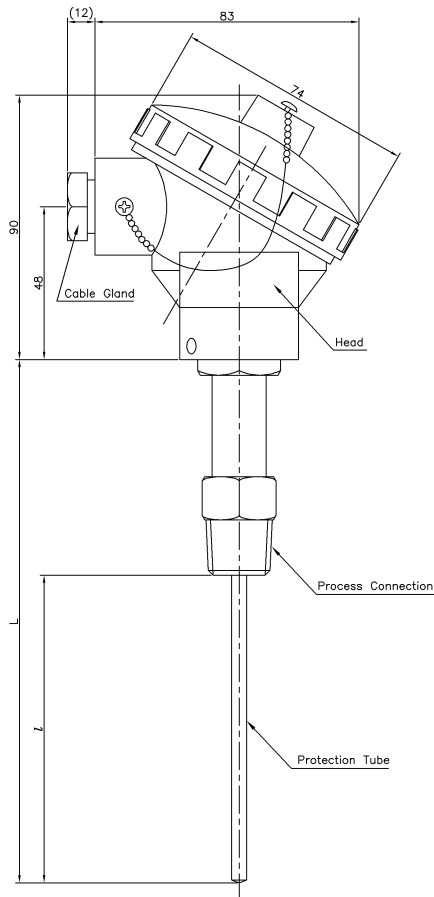
Electrical

Excitation	11 ~ 28VDC
Output	4~20mA(2Wire)
Electrical Connection	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
Weight	Approx. 300g (Standard type only)

Dimension



Transmitter Module
(TA100)

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

Ordering Information

Model Name		Material of Protection Tube	
TSRT 0010 C 48-100/50-G/A		A : STS316 B : STS316L C : STS304 D : Titanium E : Monel	
Temperature Range		Process Connection	
C050 : -50~0℃ 0200 : 0~200℃ ±050 : -50~50℃ 0300 : 0~300℃ 0050 : 0~50℃ 0400 : 0~400℃ 0100 : 0~100℃		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"	
Temperature Unit		Insert Length	
C : Celsius(℃) F : Fahrenheit(°F)		ℓ (mm)	
Sheath Out Diameter		Length	
32 : φ3.2 64 : φ6.4 48 : φ4.8 80 : φ8.0		L(mm)	