

TT 22SD

TEMPERATURE TRANSMITTER SWITCH WITH DISPLAY

Features

- Measuring range -50 to 150 °C
- Compact Construction
- Programmable switching output & analog output
- Media : Liquid & Gases
- Accuracy : $\pm 0.3\text{ }^{\circ}\text{C} + (\pm 0.1\% \text{ M.V.})$
- Response Time : < 1 Sec.
- NPN relay contact output

Description

Electronet Series TT-22SD are temperature transmitters used for various industrial applications. It can accept input from RTD sensor, temperature signal is transmitted in the form of electrical 4 - 20 mA signal. On-line temperature indication is provided through 4 digit 7 segment LED Display.



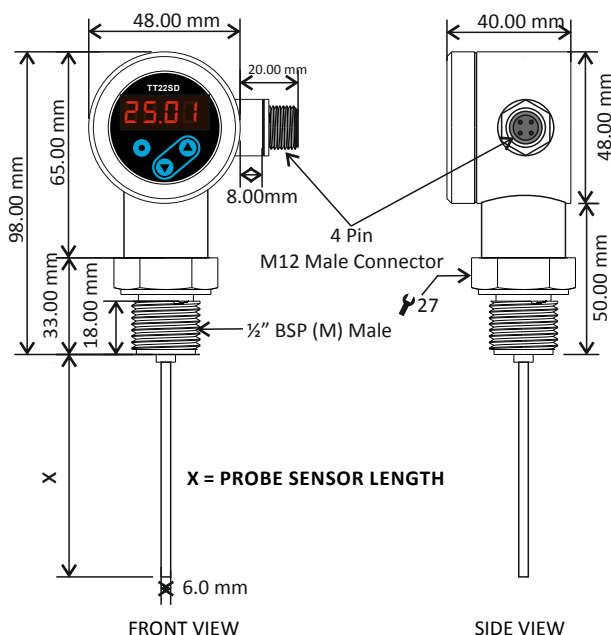
Technical Specifications

Performance Characteristics	
Sensor Type	RTD PT 100
Probe length	Up to 25mm
	Up to 100mm
	Up to 300mm
	Up to 1000mm
Media	Liquids, Gases
Medium temperature	-50°C to 150°C
Pressure rating	300 Bar
Medium temperature for Liquids	-50°C to 150°C
Medium temperature for Gases	-50°C to 150°C
Power Supply	18 to 32V DC
Input	RTD PT 100
Output 1	PNP Alarm output (Max. load 100mA)
Output 2	4 to 20 mA DC (Max. load 600 Ω)
Accuracy	Switch point accuracy ($^{\circ}\text{C}$): $\pm 0.3 + (\pm 0.1\% \text{ M.V.})$
	Precision analog output ($^{\circ}\text{C}$): $\pm 0.3 + (\pm 0.1\% \text{ M.V.})$
	Display accuracy ($^{\circ}\text{C}$): $\pm 0.3 + (\pm 0.1\% \text{ M.V.})$
Display	4 digit 7 segment LED Display
Resolution of display ($^{\circ}\text{C}$)	0.1
Response Time	<1 Sec.
Ambient Conditions	Temperature : -20 to 70°C / Humidity : 5 to 95% non condensing

Technical Specifications

Storage Conditions	Temperature : -20 to 75°C
Insulation Resistance	>100 MΩ at 100VDC
Span / Zero Adjustments	Programmable Software Calibration
Process Connection	1) Threaded 1/4" NPT
	2) Threaded 1/2" NPT
	3) Threaded 1/4" BSP
	4) Threaded 1/2" BSP
Electrical Connection	4 Pin M12 Male (pin 1:+VDC, Pin2:Output2, Pin3:0VDC, Pin4:Output1)
Mounting	Direct Line mount (Vertical)
Material of Construction	All wetted parts SS 316 (Options available on request)
Enclosure	SS316 / ABS Plastic / Die Cast Aluminium
Ingress Protection	IP 67
Area Classification	Field Mount Weather Proof
Weight	0.6 kg (Approximate)

Assembly Overview



Ordering Information

Sample Order Code : TT22SD- A1-B1

Parameter	Code	Description
A	Sensor Length	A1 25 mm
		A2 100 mm
		A3 300 mm
		A4 1000 mm
B	Process Connection (IN SS-316)	B1 1/4" NPT (M)
		B2 1/2" NPT (M)
		B3 1/4" BSP (M)
		B4 1/2" BSP (M)
		BY Other

Note : Due to our continuous product revisions, design specification & model numbers are subject to change without notice.

- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- This product is meant for laboratory/Process application only and not for custody transfer application.

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