FIELD MOUNTED TEMPERATURE TRANSMITTER WITH DISPLAY T-1000

Explosion Proof
CLASS I, GROUPS A, B, C & D,
CLASS II, GROUPS E, F & G, NEMA 4X

Approvals:

CE

TD0400TJ

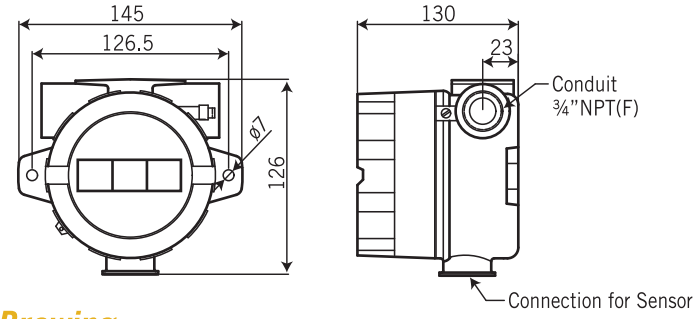
Technical Data

Enclosure Housing: Aluminum or SS316
Input: Programmable for thermocouple type K, J, R, S, T, N, E, B and RTD PT100Ω from a PC
Working Span Range: Programmable from a PC
LCD Display: 5 digital (-9999~69999)
Output: Linearized 4 to 20mA
Accuracy: PT100Ω and 0 to 50mV ±0.15% full scale
Thermocouple ±0.25% full scale
Ambient Temperature: -20 to +85°C
Power Supply: 12 to 35 VDC
Sensor Failure Protection: Programmable burnout upscale or downscale
Connection for Sensor: ½", ¾" available
Conduit Connection: ¾"NPT Female; option available
Mounting Bracket: 2" available
Unit: °C and °F available
HART® Communication: available
Two Wire Transmitter with HART® Protocol: Ex HART COMMUNICATION PROTOCOL
– Galvanic Isolation
– Suitable for application in SIL 2 installations

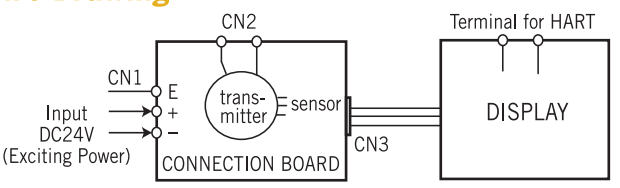
Range Table

Sensor Type	Range	Minimum Measurement Span
Thermocouple K	-50~1370°C	50°C
Thermocouple J	-50~1000°C	50°C
Thermocouple R	-50~1750°C	100°C
Thermocouple S	-50~1750°C	100°C
Thermocouple T	-270~400°C	50°C
Thermocouple N	-50~1300°C	50°C
Thermocouple E	-50~960°C	50°C
Thermocouple B	0~1750°C	100°C
PT100	-200~600°C	20°C
Voltage	-10~+10 Vdc	5mV

Dimensions-mm



Wire Drawing



Ordering Information

T1000	Code	Sensor Type
		(1) K (2) J (3) R (4) S (5) T (6) N (7) E (8) B (9) PT100 (10) Voltage

Code	Measuring Range
	Please fill in the requeted measurement range.

Code	Output		
A	4~20mA	H	4~20mA + HART

Code	Connection for Sensor
	(A) ½"NPT (B) ¾"NPT (O) option

Code	Blue Back-Lighted		
D	with	N	without

Code	Mounting Bracket		
D	with	N	without

Code	Sensor Details
N	No need sensor
Y	Please fill in the required Sensor Connection/Diameter/Insertion Length...directly.

T1000								Complete Ordering Code

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