

TT810 SERIES

Thermocouple Transmitter w/4-20mA Output

Product Features

- High Quality
- 4-20mA Loop Powered
- Analog Design
- Economical
- Fits Standard Heads
- Factory Calibrated

Description

The TT810 Series loop powered thermocouple temperature transmitters are of analog design and offer an excellent price/performance ratio. Factory calibrated in many temperature ranges and stocked availability make TT810 a perfect choice for temperature signal transmission.

Precision 20-turn potentiometers allow fine adjustment of ZERO and SPAN. TT810 units are voltage (not temperature) linear and fit into industry standard small connection heads.



Specifications

@Vnom : 24 VDC, Tambient = 25°C

Span nom. : T/C = 250 °C (reference to full scale)

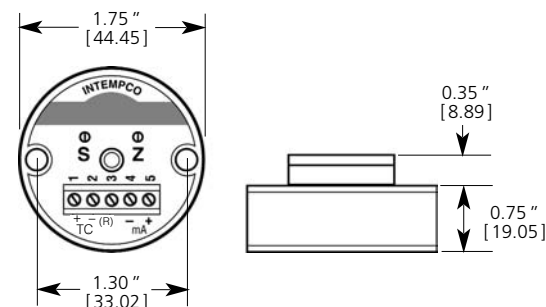
Output :	4-20mA two wire
Power Supply :	9-36 VDC, polarity protected
Supply Voltage Effect :	±0.02 % / V
Open Circuit Detection :	Down scale, 3 mA,
Load Capability :	$R_{max.} = (V_{supply} - 9V) / 20mA$
Zero Drift :	±0.05% / °C
Span Drift :	±0.05% / °C
Ambient Operating Temperature :	-40 to +70 °C (-40 to +158 °F)
Storage Temperature :	-40 to +100 °C (-40 to +212 °F)
Zero and Span Adjustment :	20 turn potentiometer ± 25% for zero and span
Input :	K, J, T, E
Linearity :	Voltage linear (not temperature linear)
Sensor Lead Resistance:	10 K Ohm max.
T/C Cold Junction Drift :	0,05 °C/°C

Ordering Information

Model	Input	Range
TT810	K,J,T,E	(/)

Ex : **TT810-J- (0/100)**
T/C transmitter, Type J, 0 -100°C

Dimensions



Standard Ranges					
°C	(°F)	K	J	T	E
-50 / +50	(-58 / +122)				
0 / +50	(32 / +122)				
0 / +100	(32 / +212)		•	•	•
0 / +200	(32 / +392)	•	•	•	•
0 / +300	(32 / +572)	•	•	•	•
0 / +400	(32 / +752)	•	•	•	•
0 / +600	(32 / +1112)	•	•		•
0 / +800	(32 / +1472)	•	•		
0 / +1000	(32 / +1832)	•			
0 / +1200	(32 / +2192)	•			

For non standard ranges, specify range