Options & Accessories

Temperature Sensors

All dimensions are nominal.
Dimensions in [ ] are in millimeters.

ELECTRONIC TEMPERATURE SENSORS

TRT30 Series Temperature Transmitter

The Trerice TRT30 Series Loop Powered Temperature Transmitter will convert a thermocouple or RTD signal to a 4-20 mA signal. The signal conversion will prevent electrical interference and allow the signal to be transmitted over long distances. The transmitter is designed for installation into the Connection Head Sensor.
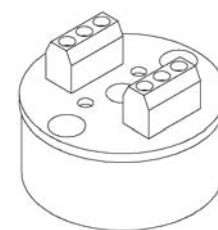
Specifications

Model	Input	Accuracy	Adjustment Range	Maximum Output Load	Output Signal
TRT30	Type J, K or T Thermocouple, or 100Ω platinum RTD	±0.1% of input span	±35% for both zero and span	Thermocouple: R max=(V supply-12V)/20 mA RTD: R max=(V supply-10V)/20 mA	4-20 mA

HOW TO ORDER

Sample Order Number TRT30 TC 05

Model	Input	Range
TRT30	TC Type J, K and T Thermocouple RTD 100 Ω Platinum RTD	Order using "Range Code" from Page 131 (e.g., Range Code: 05, Range: 20° to 240°F and -10° to 115°C, etc.)

Thermocouple and RTD Extension Wire

Trerice Extension Wire for use Type J and K Thermocouples and RTDs is available in both 16 AWG and 20 AWG, and is covered with PVC insulation and jacketing. The wires are color coded to ensure proper installation. Other wire may be available, please consult factory. Please note the recommended maximum lengths listed below.

Recommended Maximum Length

Sensor Wire Type	Wire Gauge 20 AWG	16 AWG
Type J Thermocouple	100'	250'
Type K Thermocouple	100'	250'
3-Wire Platinum RTD	250'	500'

HOW TO ORDER

Sample Order Number: TAJ 16 P 0100

Sensor Wire Type	Wire Gauge	Insulation	Length
TAJ Type J Thermocouple TAK Type K Thermocouple TAD 3-Wire Platinum RTD	16 16 AWG 20 20 AWG	P PVC	Specify Length in Feet (i.e., 100' = 0100)

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