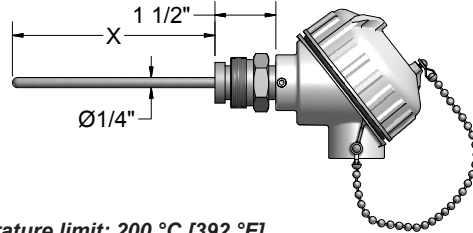


Thermometer replacement RTD temperature sensor assemblies are used when converting instrumentation from older direct reading thermometers to electronic instruments requiring RTD inputs. These RTD assemblies replace the filled system capillary actuating bulbs and will fit into the old existing bulb wells as listed below. These 3-wire constructed sensor assemblies consist of a high-accuracy platinum element sealed inside a spring-loaded 316 stainless steel sheath and are supplied with a white FDA compliant polypropylene connection head. Each sensor is supplied with a free-rotating stainless steel mounting fitting with the appropriate threading for the wells listed below.



Maximum temperature limit: 200 °C [392 °F]

ORDER CODES

Example Order Number: 1-0 R5T185L48 3 - 2 09(1/2) - TR - 63, I 3

1-0 Pt100 ($\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$) RTD Assemblies

CODE		TOLERANCE ^[1]
SINGLE	DUPLEX	
R1T185L48	R1T285L48	Grade B
R3T185L48	R3T285L48	Class AA
R5T185L48	R5T285L48	(1/5) Class B
RAF185L48	RAF285L48	Class A

[1] Refer to RTD tolerance information in the General Information section for calculations to determine specific tolerance at temperature.

Thermocouple Assemblies

For thermocouple assemblies use T/C types J, K, T, or E and options G for grounded junction or U for ungrounded junction as per example. EX.: TP48G - 09 (1/2) - TR - 63.

1-1 Element Connection

CODE	DESCRIPTION
3	3-Wire Element
4 ^[1]	4-Wire Element

[1] Not Available in Duplex

2 Immersion Length "X"

Specify "X" length in inches using 2 digits, plus any fractional length desired.
Examples: 04 = 4", 05(1/2) = 5.5

3 Terminations

CODE	DESCRIPTION
91	316L stainless steel screw-cover head
63	White polypropylene screw-cover head
31,W	Aluminum screw-cover head with white epoxy coating
35T-642A	(4 to 20) mA HART® Field Transmitter with aluminum general-purpose housing
36T82-D10	(4 to 20) mA dual input HART® transmitter with digital display and general-purpose aluminum housing with glass lid
37T-662A	(4 to 20) mA HART® Field Transmitter with general-purpose aluminum housing
Head Options	
T-440	(4 to 20) mA head-mounted RTD transmitter
T-441	(4 to 20) mA isolated head-mounted transmitter
T-442	(4 to 20) mA isolated HART® head-mounted transmitter
T82-00	(4 to 20) mA dual input HART® head-mounted transmitter
I	Stainless steel tags
HS	Head supplied w/wire seal security screw

Immersion Length "X"

"X" IMMERSION LENGTH ^[1] (inches)	LENGTH AND MOUNTING FITTING TO FIT BELOW LISTED WELL PART NUMBER		MOUNTING FITTING THREAD
	TAYLOR	ANDERSON	
9 (1/2)	26P397	41247	1 (1/4)"-18 UNEF
12 (1/2)	26P398	41279	1 (1/4)"-18 UNEF
11 (1/2)	SK10274	41280	1 (1/4)"-18 UNEF

[1] "X" dimension indicates length with spring in its fully expanded position. Spring will retract 1/2" minimum to 3/4" maximum.

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