

Stem Only Assemblies Thermocouples & RTD's

Table A RTD & TC Styles

	A
A = Plain stem (choose this for all lead assemblies)	
	B
B = Welded SS bushing	
	C
C = Male mini plug	
	D
D = Female mini jack	
	F
F = Male standard plug	
	G
G = Female standard jack	
	H
H = Spring loaded bushing	
	P
P = 1/2" NPT Nipple w/ Bayonet	
	R
R = Bayo Cap w/ spring	
	S
S = Load Spring only	
	T
T = 1/4" NPT Compression fitting, loose on stem	
	U
U = 1/2" NPT Compression fitting, loose on stem	
	W
W = Weld Pad	

STEP 1 - RTD Style
Choose RTD Style from Table (A)

STEP 2 - Sensor Material (Px is standard)
Insert Letter designated below.
Px - Platinum 0.00385 $\Omega/\Omega^{\circ}\text{C}$ N - Nickel 0.06725 $\Omega/\Omega^{\circ}\text{C}$
P - Platinum 0.00392 $\Omega/\Omega^{\circ}\text{C}$ C - Copper 0.00421 $\Omega/\Omega^{\circ}\text{C}$

STEP 3 - Temperature
Insert single-digit number designated below.
1 (std. range) -40°F / 600°F
2 (Extended range) -328°F / 1100°F

STEP 4 - Sheath Diameter
Insert two-digit number designated below
25 = .250 dia. 12 = .125 dia. 18 = .188 dia. 37 = .375 dia.

STEP 5 - Sheath Material
Insert single-digit number designated below. 1 = 316 SS

STEP 6 - Resistance 32°F (0°C) Ohms \pm .5% (#1 is standard)
Insert single-digit number designated below.
1 = 100 Ω (Pt. .00385 & .00392) 5 = 500 Ω (Pt. .00385 only)
4 = 1,000 Ω (Pt. .00385 only) 7 = 120 Ω (Nickel only) 8 = 10 Ω (Copper only)

STEP 7 - Probe Length (X)
See "X" dimensions in table (A)

STEP 8 - Number of Leads/RTD's

Single RTD	Leads/RTD	Duplex RTD
X	3-wire	XX
Y	4-wire	YY

STEP 9 - Lead Wire
If leadwire, add lead wire part # (see p. 7)
Ex. LR2P36T1S

1

STEP 1
Metal Sheathed thermocouple Assembly - insert "M"

STEP 2 - Sheath Diameter
Insert 2 digit number designated below
06 = .062in. 12 = .125in. 18 = .188in. 25 = .250 in. 37 = .375in. 50 = .500in.

STEP 3 - ANSI Type Thermocouple
Insert designation below. K = Chromel Alumel T = Copper Constantan
J = Iron Constantan E = Chromel Constantan

STEP 4 - Type of Sheath Material
Insert single-digit number designated below.
1 = 316 SS 3 = 304 SS
2 = 310 SS 5 = Inconel 600

STEP 5 - Style
Choose Thermocouple style from table (A)

STEP 6 - Number of Element
S = Single element assembly D = Dual element assembly

STEP 7 - Type of Junction
Elements: G = Grounded E = Exposed
U = Ungrounded UU = Ungrounded, Uncommon

STEP 8 - Probe Length (X)
See "X" dimensions in table (A)

STEP 9 - Lead Wire
If leadwire, leadwire part # (see p.7)
Ex. LJ2P36F1F

M