

# Stem Only Assemblies Thermocouples & RTD's

**Table (A) RTD & TC Styles**

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

RTD

**STEP 1 - RTD Style**

Choose RTD Style from Table (A)

**(Optional) STEP 2 - Stem Options**

Choose Stem Options from Table (A-2)

**STEP 3 - RTD Sensor**

Insert sensor code below.	Code	Material/Class	$\Omega$ @ 0°C	Acc
(Std) Din B Pt 100	<b>*PX</b> (std)	Pt/385/B	100	0.12%
Pt 100 with Other Accuracies	<b>*PC</b>	Pt/385/ A1	100 $\Omega$	0.1%
	<b>PD</b>	Pt/385/ A3	100 $\Omega$	.03%
	<b>*PA</b>	Pt/385/Cl A	100 $\Omega$	0.06%
	<b>*PE</b>	Pt/385/A5	100 $\Omega$	0.01%
Other RTD's	<b>PK</b>	Pt/385/B	1000 $\Omega$	0.12%
	<b>PM</b>	Pt/385/B	500 $\Omega$	0.12%
	<b>*PY</b>	Pt/392	100 $\Omega$	0.1%
	<b>NI</b>	Nickel/6725	120 $\Omega$	0.5%
	<b>CU</b>	Copper/421	10 $\Omega$ (@25°C)	0.5%

**STEP 4 - Temperature Range**

Insert single-digit number designated below

1 Std. range -60°F / 600°F

2 Extended range -328°F / 1100°F (Only available on sensors with asterisk \*)

**STEP 5 - Sheath Diameter**

Insert two-digit number designated below

25 = .250 dia. 12 = .125 dia. 18 = .188 dia. 37 = .375 dia.

**STEP 6 - Probe Length (X)**

See "X" dimensions in table (A)

**STEP 7 - Number of Leads/RTD's**

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

**STEP 8 - Lead Wire**

If leadwire, add lead wire part # (see p. 7)  
Ex. LR2P36T1S

THERMOCOUPLES

**STEP 1 - Style**

Choose Thermocouple style from table (A)

**STEP 2**

Metal Sheathed thermocouple Assembly - insert "M"

**STEP 3 - Sheath Diameter**

Insert 2 digit number designated below

06 = .062in. 12 = .125in. 18 = .188in 25 = .250 in. 37 = .375in. 50 = .500in.

**STEP 4 - ANSI Type Thermocouple**

Insert designation below. **K** = Chromel Alumel

**J** = Iron Constantan

**T** = Copper Constantan

**E** = Chromel Constantan

**STEP 5 - Type of Sheath Material**

Insert single-digit number designated below

1 = 316 SS

3 = 304 SS

2 = 310 SS

5 = Inconel 600

**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