Tempco manufactures many styles of industrial thermocouple assemblies for a wide range of industries, from petrochemical to textile applications, where one or more protection tubes may be necessary to protect the thermocouple.

**Thermowell Assemblies**

- Style TCS – 1 with Thermowell
- Thermocouple Head, Nipple, Thermowell
- Style TCS – 3 with Thermowell
- Thermocouple Head, Nipple, Union, Nipple, Thermowell

**Ceramic Tube Assemblies**

- Style TCS – 7
- Thermocouple Head, Fixed Bushing, Ceramic Tube
- Style TCS – 8
- Thermocouple Head, Ceramic Tube

**Metal Protecting Tube Assemblies**

- Style TCS – 4
- Thermocouple Head, Metal Protecting Tube
- Style TCS – 5
- 1
- Style TCS – 6
- Universal Elbow

**Industrial Thermocouple Assemblies**

**Industrial Process Thermocouples**

View Product Inventory @ www.tempco.com
Thermocouples for Thermowells and Protection Tubes

**Design Features**
- Ceramic Insulator to Insulate Wires
- Galvanized 1/2" Pipe Nipple & Union
- Cast Iron or Aluminum Head
- Used with protection tubes and thermowells shown on pages 14-76 through 14-86

**Ordering Information**
Thermocouples are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

**Ordering Code:**

```
Style BOX 1
0 = Plain
1 = with Nipple
2 = with Nipple and Union
3 = with Nipple, Union and Nipple

Calibration Code BOX 2
J = Type J
K = Type K
X = Other (Specify)

Wire Gauge and Insulator Size BOX 3
B = 20 ga. (.172" × .118" insulator)
C = 14 ga. (.375" × .217" insulator)
D = 8 ga. (.437" × .250" insulator)
X = Other (Specify)

“L” Dimension BOX 4
Whole inches 00 to 99

“A” Dimension (TCS –1, TCS –2 & TCS –3 only) BOX 5
01 to 99 inches or use Codes below for standard length
Enter 00 for TCS – 0 Style

TCS1
S1 = 1”
S2 = 2-1/2”
S3 = 5-1/2”

TCS2
S1 = 2-1/2”
S2 = 4”
S3 = 7”

TCS3
S1 = 3-1/2”
S2 = 6-1/2”
S3 = 12-1/2”

Connection Head BOX 6
A = Standard Size Aluminum
H = Standard Cast Iron
S = Stainless Steel
Note: All have 1/2” conduit connection (3/4” available).
For overall dimensions see pages 14-98 through 14-100.

Special Requirements BOX 7
X = Specify
0 = None

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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