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

**Metal Protecting Tube Assemblies**
- Style TCS – 4
  - Thermocouple Head, Metal Protecting Tube

- Style TCS – 6
  - Thermocouple Head, Fixed Bushing, Ceramic Tube

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

- Style TCS – 8
  - Thermocouple Head, Ceramic Tube

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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