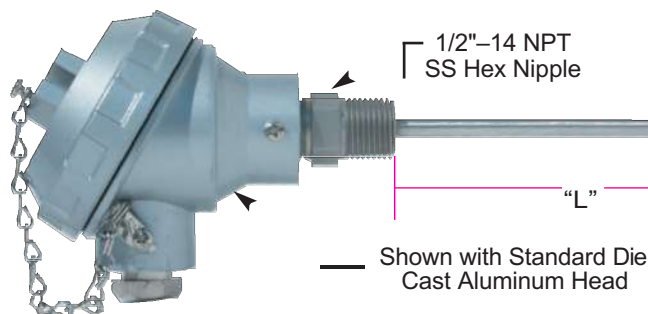


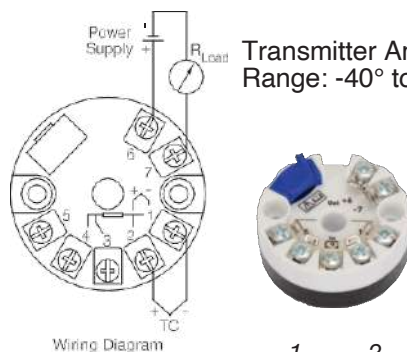


## Thermocouples with Transmitter and Connection Head



### Design Features

- ★ 4-20mA Programmable Linear Output Transmitter
- ★ Available with Spring-Loaded Sheath
- ★ Transmitter Accuracy of  $\pm 0.2\%$  of temperature span
- ★ 1/2" NPT Process Connection



Transmitter Ambient Temperature  
Range:  $-40^{\circ}$  to  $+185^{\circ}\text{F}$  ( $-40^{\circ}$  to  $85^{\circ}\text{C}$ )

## Ordering

Thermocouples are offered with the options listed in the worksheet below. 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

Wiring Diagram

1 2 3 4 5 6 7 8 9 10 11

TTM -

### Calibration Code BOX 1

ANSI Standard Tolerances **J K E T**

Special Tolerances **3 4 5 6**

### Insulation BOX 2

**M** = 96% min. MgO (Standard)  
**H** = 99.4% min. MgO

### Sheath Material BOX 3

**A** = Alloy 600 **C** = 316 SS  
**B** = 304 SS

### Sheath O.D. BOX 4

**F** = .125" **H** = .250"  
**G** = .188"

### Sheath Length "L" BOX 5

Whole inches  
**01 to 99**  
For lengths over 99 in. consult HK.

### Sheath Length "L" BOX 6

Fractional inches  
**0** = 0" **2** = 1/4" **4** = 1/2" **6** = 3/4"  
**1** = 1/8" **3** = 3/8" **5** = 5/8" **7** = 7/8"

### Junction Type BOX 7

Grounded **G** Ungrounded **U** Exposed **E**

### Transmitter Type BOX 8 (Enter Code Below)

Temperature low range Temperature high range Unit  $^{\circ}\text{F}$   $^{\circ}\text{C}$

**1** = Non-isolated (Standard)  
**2** = Isolated

### Connection Head BOX 9

**A** = Standard Aluminum **S** = Stainless Steel  
**B** = Medium Size Aluminum **L** = Aluminum Head with LCD Indicator  
**H** = Standard Cast Iron **X** = Specify  
**P** = Polypropylene Head (FDA Approved) **M** = Heavy Duty Aluminum Head with LCD Indicator

**Note:** Conduit connection for A, H & S is 1/2", for B is 3/8" NPT, for P is 3/4" NPT.

*Please refer to Pg. 2 for all types of head*

### Spring-Loaded Probe BOX 10

**Y** = Spring-Loaded  
**0** = Not Required

### Special Requirements BOX 11

**X** = Specify  
**0** = None

## Connection Head(Temperature Sensor Enclosure)



Mini Head 1



Mini Head 2



Mini Head 3



Plastic Head



Small Bakelite Head



Weather Proof Head



Weather Proof Head(BIG)



Hinge Type Head



Imported Head 1



Imported Head 2



Imported Head 3



Imported Head 4



Flame Proof Head 1



Flame Proof Head 2  
(II C APPROVED)



IP-65 HEAD



SS Head



SS Head (SMALL)



Stainless Steel(SS) Head 1



Stainless Steel(SS) Head 2



KNE Type Head