

## Temperature Probe TC4



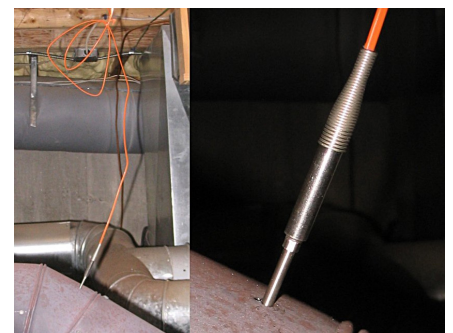
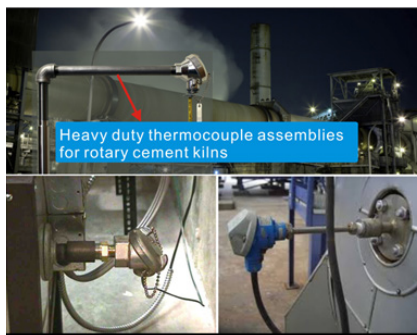
### Technical Data

**Accuracy :** See "Tolerances" table  
**Storage temperature :** -20°C to +80 °C  
**Output :** stripped wires, miniature or standard plugs available on request  
**Thread :** NPT 1/4", NPT 1/2", G 1/2", G 1/4"  
**Protection class :** IP68 (Probe)

### Tolerance table

TC	Measuring range class 1	Tolerance
T	-40...+350 °C	-40...+125 °C ±0.5 °C 125...+350 °C ±0.004 x T°
J	-40...+750 °C	-40...+375 °C ±1.5 °C 375...+750 °C ±0.004 x T°
K	-40...+1000 °C	-40...+375 °C ±1.5 °C 375...+1000 °C ±0.004 x T°
N	-40...+1000 °C	-40...+375 °C ±1.5 °C 375...+1000 °C ±0.004 x T°
S	0...+1600 °C	0...+1100 °C ±1 °C 1100...+1600 °C ±(1 + 0.003*(T°-1100))

### Application



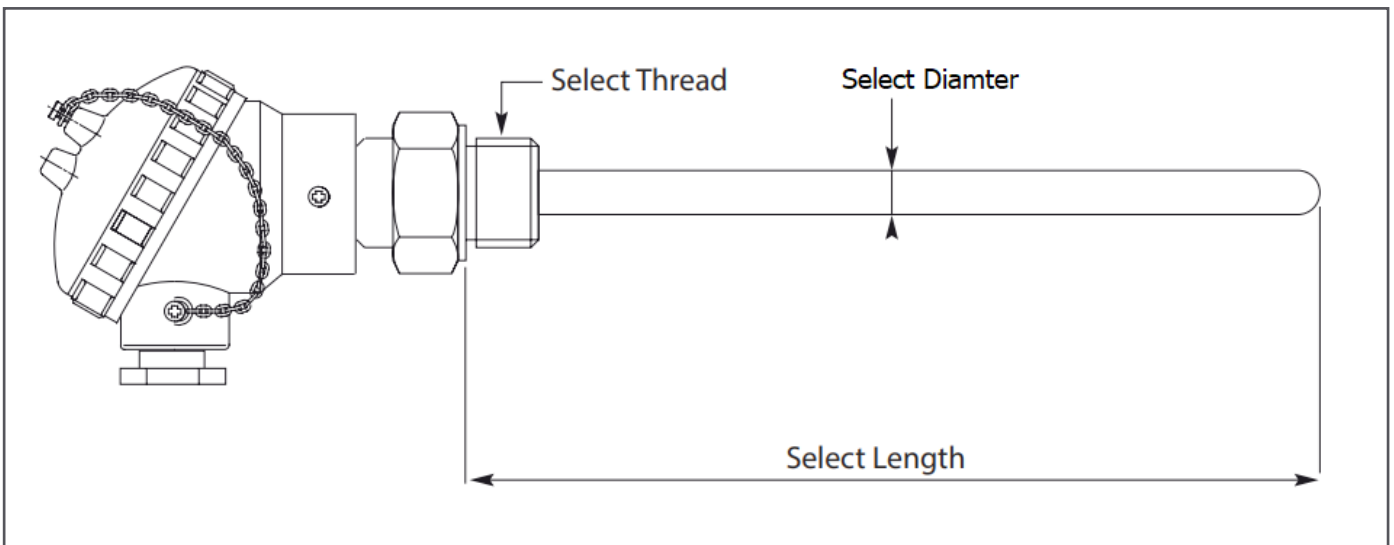
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## Common thermocouple types

THERMOCOUPLE TYPES	+ CONDUCTOR	- CONDUCTOR	COLOR OF COMPENSATING CABLE
T	Copper	Constantan	Ext. color + = BROWN, - = WHITE
J	Iron	Constantan	Ext. color + = BLACK, - = WHITE
K	Chromel	Alumel	Ext. color + = GREEN, - = WHITE
N	Nicrosil	Nisil	Ext. color + = PINK, - = WHITE
S	Platinum-10% Rhodium	Platinum	Ext. color + = ORANGE, - = WHITE

## Dimensions



## Ordering code

<b>Series : TC4-A-B-C-D</b>	
<b>A : Thermocouple type</b>	
T, J, K, N, S	
<b>B : Probe diameter</b>	
2, 3, 4, 6, 8, 10, 12 mm	
<b>C : Probe length</b>	
50, 100, 150, 200...2000 mm (Selectable)	
<b>D : Thread</b>	
NPT 1/4", NPT 1/2" G 1/4", G 1/2"	

### Example

**TC4-J-10-150-NPT 1/2"** : Thermocouple type J, Probe diameter 10 mm, Probe length 150 mm, Thread NPT 1/2"

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