

# TC5-PT Bayonet Thermocouple

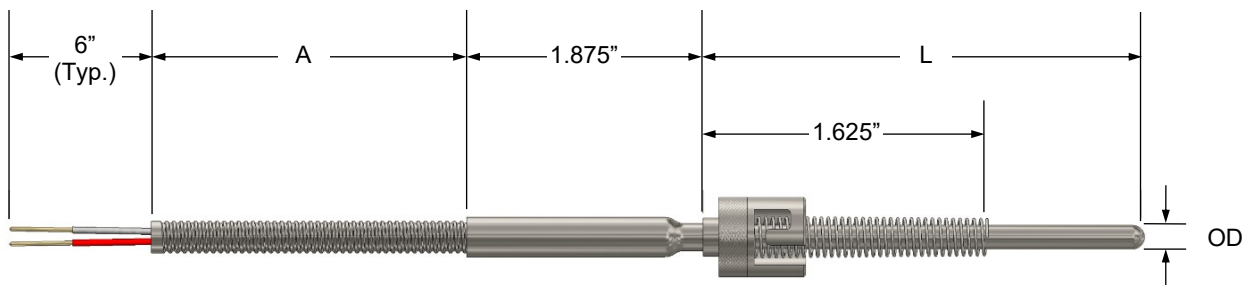
## Model Code

TC5 - T1 - T2 - T3 - T4 - T5 - T6 - T7 - T8

<b>TC5</b>	<b>Bayonet Thermocouple</b>
<b>T1</b>	<b>Sensor Style</b>
PT	Straight sensor probe
<b>T2</b>	<b>Sensor Probe Diameter</b>
<b>18</b>	<b>0.125" (1/8")</b>
<b>36</b>	<b>0.188" (3/16")</b>
14	0.250" (1/4")
<b>T3</b>	<b>Sensor Probe "L" Length (inches)</b>
"inches"	Specify length in inches
<b>T4</b>	<b>Thermocouple Type</b>
<b>K</b>	<b>Type K</b>
<b>J</b>	<b>Type J</b>
T	Type T
E	Type E
Other	Consult factory
<b>T5</b>	<b>Thermocouple Junction</b>
G	Grounded
<b>U</b>	<b>Undergrounded</b>
2G	Dual grounded
2U	Dual undergrounded
E	Exposed

<b>T6</b>	<b>Lead Wire "A" Length (inches)</b>
"inches"	Specify length in inches
<b>T7</b>	<b>Lead Wire Type<sup>5</sup></b>
FB	Fiberglass (482°C)
SF	Fiberglass with SS over braid (482°C)
<b>AF</b>	<b>Flex armor over fiberglass (482°C)</b>
TE	Teflon (260°C)
ST	Teflon with SS over braid (260°C)
<b>AT</b>	<b>Flex armor over Teflon (260°C)</b>
PT	Poly jacketed flex armor over Teflon (102°C)
Other	Consult factory
<b>T8</b>	<b>Lead Wire Termination<sup>5</sup></b>
<b>BE</b>	<b>Bare ended lead wire</b>
<b>SC</b>	<b>Standard male connector (205°C)</b>
MC	Miniature male connector (205°C)
HC	High temp standard male connector (425°C)
MH	High temp miniature male connector (425°C)
SL	Spade lugs (thermocouple alloy if available)
CG	1/2" NPT cord grip electrical fitting

## Outline & Dimensions



### NOTES:

1. Part number example: TC5-PT-36-6.25-K-U-24-AF-BE
2. When ordering sensor probes for known hole depths: Probe L Length = Hole Depth + Adapter Length + 0.5"
3. Adapter part information on page B-13
4. Sensor sheath material is 316/316L stainless steel for all styles
5. Temperature values given are for maximum continuous rating for the specific component of the configuration
6. Bold text indicates most common part selections

# TC5-PT45 Bayonet Thermocouple

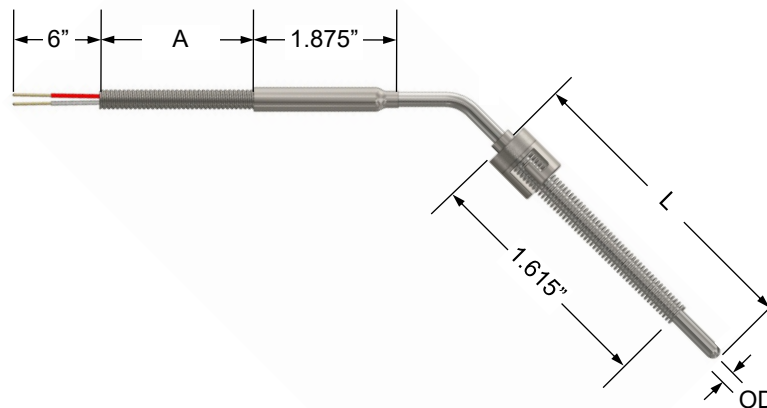
## Model Code

TC5 - T1 - T2 - T3 - T4 - T5 - T6 - T7 - T8

<b>TC5</b>	<b>Bayonet Thermocouple</b>
<b>T1</b>	<b>Sensor Style</b>
PT45	45° sensor probe
<b>T2</b>	<b>Sensor Probe Diameter</b>
<b>18</b>	<b>0.125" (1/8")</b>
<b>36</b>	<b>0.188" (3/16")</b>
14	0.250" (1/4")
<b>T3</b>	<b>Sensor Probe "L" Length (inches)</b>
"inches"	Specify length in inches
<b>T4</b>	<b>Thermocouple Type</b>
<b>K</b>	<b>Type K</b>
<b>J</b>	<b>Type J</b>
T	Type T
E	Type E
Other	Consult factory
<b>T5</b>	<b>Thermocouple Junction</b>
G	Grounded
<b>U</b>	<b>Underground</b>
2G	Dual grounded
2U	Dual underground
E	Exposed

<b>T6</b>	<b>Lead Wire "A" Length (inches)</b>
"inches"	Specify length in inches
<b>T7</b>	<b>Lead Wire Type<sup>5</sup></b>
FB	Fiberglass (482°C)
SF	Fiberglass with SS over braid (482°C)
<b>AF</b>	<b>Flex armor over fiberglass (482°C)</b>
TE	Teflon (260°C)
ST	Teflon with SS over braid (260°C)
<b>AT</b>	<b>Flex armor over Teflon (260°C)</b>
PT	Poly jacketed flex armor over Teflon (102°C)
Other	Consult factory
<b>T8</b>	<b>Lead Wire Termination<sup>5</sup></b>
<b>BE</b>	<b>Bare ended lead wire</b>
<b>SC</b>	<b>Standard male connector (205°C)</b>
MC	Miniature male connector (205°C)
HC	High temp standard male connector (425°C)
MH	High temp miniature male connector (425°C)
SL	Spade lugs (thermocouple alloy if available)
CG	1/2" NPT cord grip electrical fitting

## Outline & Dimensions



### NOTES:

1. Part number example: TC5-PT45-36-8-K-U-24-AF-BE
2. When ordering sensor probes for known hole depths: Probe L Length = Hole Depth + Adapter Length + 0.5"
3. Adapter part information on page B-13
4. Sensor sheath material is 316/316L stainless steel for all styles
5. Temperature values given are for maximum continuous rating for the specific component of the configuration
6. Bold text indicates most common part selections



# TC5-PT90 Bayonet Thermocouple

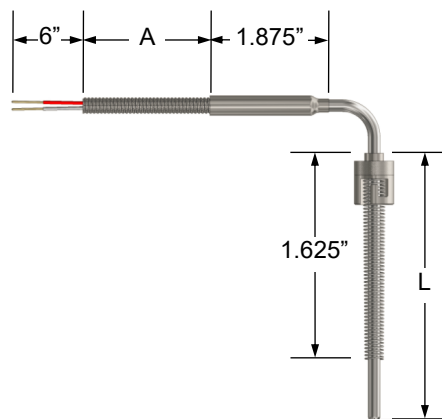
## Model Code

TC5 - T1 - T2 - T3 - T4 - T5 - T6 - T7 - T8

<b>TC5</b>	<b>Bayonet Thermocouple</b>
<b>T1</b>	<b>Sensor Style</b>
PT90	90° sensor probe
<b>T2</b>	<b>Sensor Probe Diameter</b>
<b>18</b>	<b>0.125" (1/8")</b>
<b>36</b>	<b>0.188" (3/16")</b>
14	0.250" (1/4")
<b>T3</b>	<b>Sensor Probe "L" Length (inches)</b>
"inches"	Specify length in inches
<b>T4</b>	<b>Thermocouple Type</b>
<b>K</b>	<b>Type K</b>
<b>J</b>	<b>Type J</b>
T	Type T
E	Type E
Other	Consult factory
<b>T5</b>	<b>Thermocouple Junction</b>
G	Grounded
<b>U</b>	<b>Undergrounded</b>
2G	Dual grounded
2U	Dual undergrounded
E	Exposed

<b>T6</b>	<b>Lead Wire "A" Length (inches)</b>
"inches"	Specify length in inches
<b>T7</b>	<b>Lead Wire Type<sup>5</sup></b>
FB	Fiberglass (482°C)
SF	Fiberglass with SS over braid (482°C)
<b>AF</b>	<b>Flex armor over fiberglass (482°C)</b>
TE	Teflon (260°C)
ST	Teflon with SS over braid (260°C)
<b>AT</b>	<b>Flex armor over Teflon (260°C)</b>
PT	Poly jacketed flex armor over Teflon (102°C)
Other	Consult factory
<b>T8</b>	<b>Lead Wire Termination<sup>5</sup></b>
<b>BE</b>	<b>Bare ended lead wire</b>
<b>SC</b>	<b>Standard male connector (205°C)</b>
MC	Miniature male connector (205°C)
HC	High temp standard male connector (425°C)
MH	High temp miniature male connector (425°C)
SL	Spade lugs (thermocouple alloy if available)
CG	1/2" NPT cord grip electrical fitting

## Outline & Dimensions



### NOTES:

1. Part number example: TC5-PT90-36-8-K-U-24-AF-BE
2. When ordering sensor probes for known hole depths: Probe L Length = Hole Depth + Adapter Length + 0.5"
3. Adapter part information on page B-13
4. Sensor sheath material is 316/316L stainless steel for all styles
5. Temperature values given are for maximum continuous rating for the specific component of the configuration
6. Bold text indicates most common part selections

# TC5-PTAF Bayonet Thermocouple

## Model Code

TC5 - T1 - T2 - T3 - T4 - T5 - T6 - T7 - T8

### TC5 Bayonet Thermocouple

T1	Sensor Style
PTAF	Flex armor probe

T2	Sensor Probe Diameter
<b>36</b>	<b>0.188" (3/16")</b>
Other	Consult factory

T3	Sensor Probe "L" Length (inches)
"inches"	Specify length in inches

T4	Thermocouple Type
<b>K</b>	<b>Type K</b>
<b>J</b>	<b>Type J</b>
T	Type T
E	Type E
Other	Consult factory

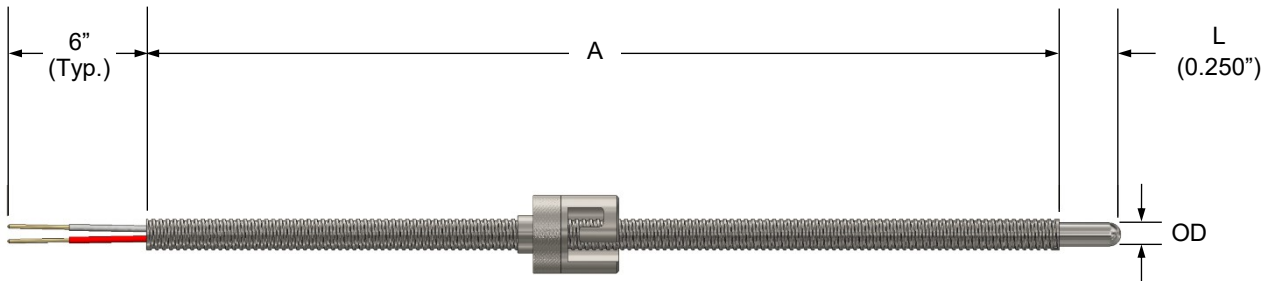
T5	Thermocouple Junction
G	Grounded
<b>U</b>	<b>Undergrounded</b>
2G	Dual grounded
2U	Dual undergrounded

T6	Lead Wire "A" Length (inches)
"inches"	Specify length in inches

T7	Lead Wire Insulation <sup>5</sup>
FB	Fiberglass (482°C)
TE	Teflon (260°C)

T8	Lead Wire Termination <sup>5</sup>
<b>BE</b>	<b>Bare ended lead wire</b>
<b>SC</b>	<b>Standard male connector (205°C)</b>
MC	Miniature male connector (205°C)
HC	High temp standard male connector (425°C)
MH	High temp miniature male connector (425°C)
SL	Spade lugs (thermocouple alloy if available)
CG	1/2" NPT cord grip electrical fitting

## Outline & Dimensions



### Notes:

1. Part number example: TC5-PTAF-36-0.250-K-U-36-TE-BE
2. When ordering sensor probes for known hole depths: Probe L Length = Hole Depth + Adapter Length + 0.5"
3. Adapter part information on page B-13
4. Sensor sheath material is 316/316L stainless steel for all styles
5. Temperature values given are for maximum continuous rating for the specific component of the configuration
6. Bold text indicates most common part selections

# TC5-PTSA Bayonet Thermocouple

## Model Code

TC5 - T1 - T2 - T3 - T4 - T5 - T6 - T7 - T8

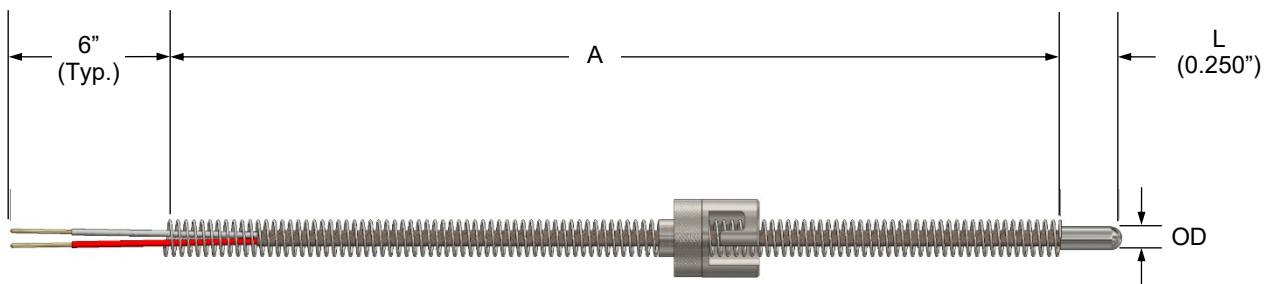
<b>TC5</b>	<b>Bayonet Thermocouple</b>
<b>T1</b>	<b>Sensor Style</b>
PTSA	Spring probe
<b>T2</b>	<b>Sensor Probe Diameter</b>
<b>36</b>	<b>0.188" (3/16")</b>
14	0.250" (1/4")
<b>T3</b>	<b>Sensor Probe "L" Length (inches)</b>
"inches"	Specify length in inches
<b>T4</b>	<b>Thermocouple Type</b>
<b>K</b>	<b>Type K</b>
<b>J</b>	<b>Type J</b>
T	Type T
E	Type E
Other	Consult factory
<b>T5</b>	<b>Thermocouple Junction</b>
G	Grounded
<b>U</b>	<b>Undergrounded</b>
2G	Dual grounded
2U	Dual undergrounded

<b>T6</b>	<b>Spring "A" Length (inches)</b>
8	8"
12	12"
96	96"
Other	Consult factory

<b>T7</b>	<b>Lead Wire Insulation<sup>5</sup></b>
FB	Fiberglass (482°C)
SF	Fiberglass with SS over braid (482°C)
TE	Teflon (260°C)
ST	Teflon with SS over braid (260°C)

<b>T8</b>	<b>Lead Wire Termination<sup>5</sup></b>
<b>BE</b>	<b>Bare ended lead wire</b>
<b>SC</b>	<b>Standard male connector (205°C)</b>
MC	Miniature male connector (205°C)
HC	High temp standard male connector (425°C)
MH	High temp miniature male connector (425°C)
SL	Spade lugs (thermocouple alloy if available)

## Outline & Dimensions



### Notes:

1. Part number example: TC5-PTSA-36-0.250-K-U-8-TE-BE
2. Adapter part information on page B-13
3. Sensor sheath material is 316/316L stainless steel for all styles
4. Temperature values given are for maximum continuous rating for the specific component of the configuration
5. Bold text indicates most common part selections