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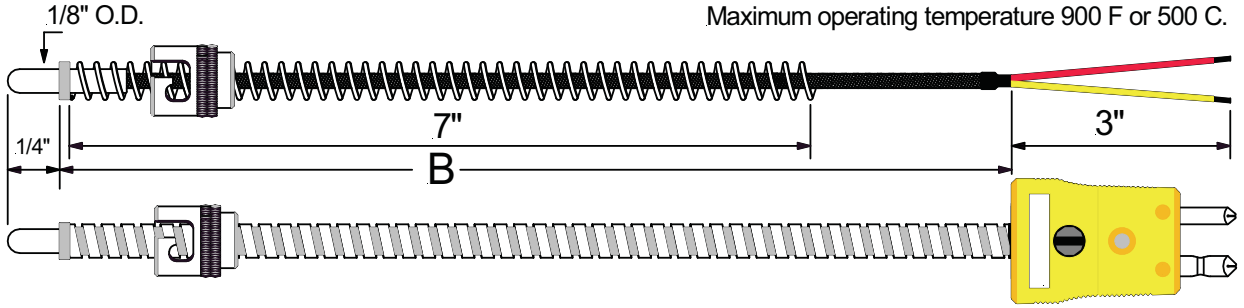


Bayonet cap runs along spring & armor cable length.

Steps To Follow: 1. 2. 3. 4. 5. 6.

Model No. A1 [ ] [ ] – [ ] – [ ] [ ] [ ]

1. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

2. Junction

G	Grounded
U	Ungrounded

3. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

4. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	0.210" O.D. Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

5. Termination Type

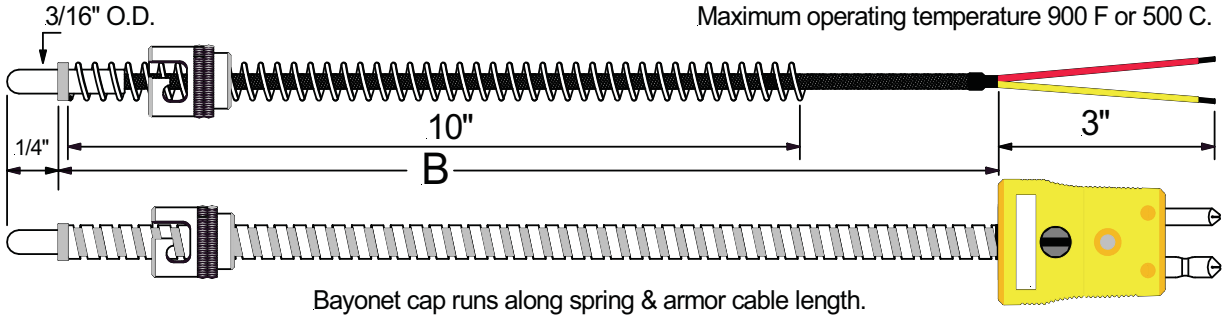
1	3" Split Leads & 1/2" Bare Ends.
2	3" Split Leads & No.10 Spade Lugs.
3	Standard Male Plug
4	Standard Female Jack
5	Mini Male Plug
6	Mini Female Jack

6. Accessories

A	None
B	Bx Connector
C	Cable Clamp

Plastic Industry Thermocouples

Adjustable Bayonet Style Thermocouple



Bayonet cap runs along spring & armor cable length.

Steps To Follow:

	1.	2.	3.	4.	5.	6.	7.
Model No. A2			– ___ –				

1. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum
D	Dual J: (+) Iron Vs. (-) Constantan
Y	Dual K: (+) Ni.-Chromium Vs. (-) Ni.-Aluminum

2. Junction

G	Grounded
U	Ungrounded

3. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

4. Wire Description

S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable
T	20 Gage Stranded Teflon Cable

5. Termination Type

1	3" Split Leads & 1/2" Bare Ends.
2	3" Split Leads & No.10 Spade Lugs.
3	Standard Male Plug
4	Standard Female Jack
5	Mini Male Plug
6	Mini Female Jack

6. Accessories

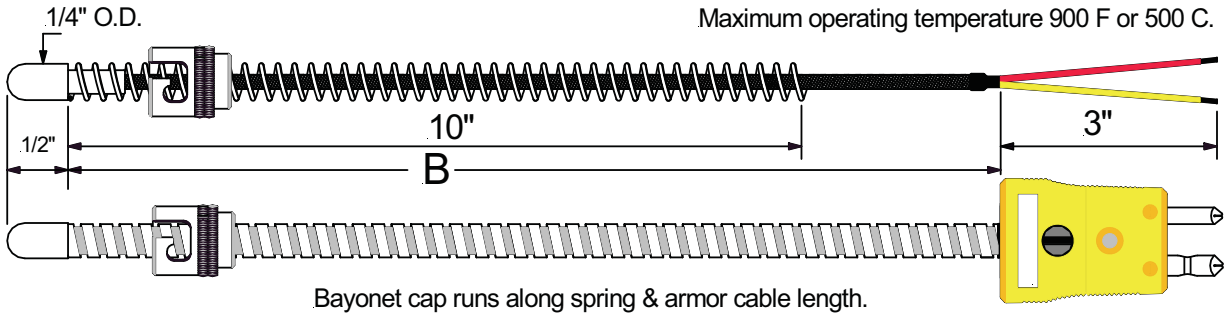
A	None
B	Bx Connector
C	Cable Clamp

7. Probe Tip Descripsion

1	Flat Tip
2	Radius Tip
3	Drill Point Tip

Plastic Industry Thermocouples

1/4" Adjustable Bayonet Style Thermocouple



Bayonet cap runs along spring & armor cable length.

Steps To Follow:

	1.	2.	3.	4.	5.	6.	7.
Model No. A3			– ___ –				

1. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum
D	Dual J: (+) Iron Vs. (-) Constantan
Y	Dual K: (+) Ni.-Chromium Vs. (-) Ni.-Aluminum

2. Junction

G	Grounded
U	Ungrounded

3. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

4. Wire Description

S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable
T	20 Gage Stranded Teflon Cable

5. Termination Type

1	3" Split Leads & 1/2" Bare Ends.
2	3" Split Leads & No.10 Spade Lugs.
3	Standard Male Plug
4	Standard Female Jack
5	Mini Male Plug
6	Mini Female Jack

6. Accessories

A	None
B	Bx Connector
C	Cable Clamp

7. Probe Tip Descripsion

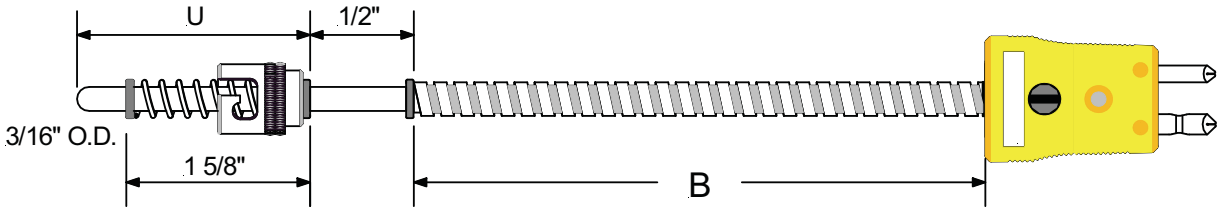
1	Flat Tip
2	Radius Tip
3	Drill Point Tip

Plastic Industry Thermocouples

Fixed Bayonet Style Thermocouple

Model Code: B1

Maximum operating temperature 900 F or 500 C.



A	B	C	D	E	F	G	H	I		J	K
B1									–		

A Outside Diameter

A	1/8"
B	3/16"
C	1/4"

B "U" Dimension

Specify " U " Length In Inches 0 6

Example "U" is 6" = 06

C "U" Length Fractional

A	0"
B	1/8"
C	3/16"
D	1/4"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

D "B" Dimension

Specify " B " Length In Inches 0 4 8

Example "B" is 48" = 048

E Calibration

	+	–
J	White	Red
K	Yellow	Red
T	Blue	Red

F Junction Styles

Element Description	Grounded		Ungrounded	
	Common		Common	Isolated
Single	G			U
Duplex	D		C	I

G Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

H Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

I Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 0.280" Outside Diameter
4	Armor Flexible Cable 0.210" Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

J Termination

A	3 1/2" Split leads & bare ends
B	3 1/2" Split leads & No.10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

K Termination Options

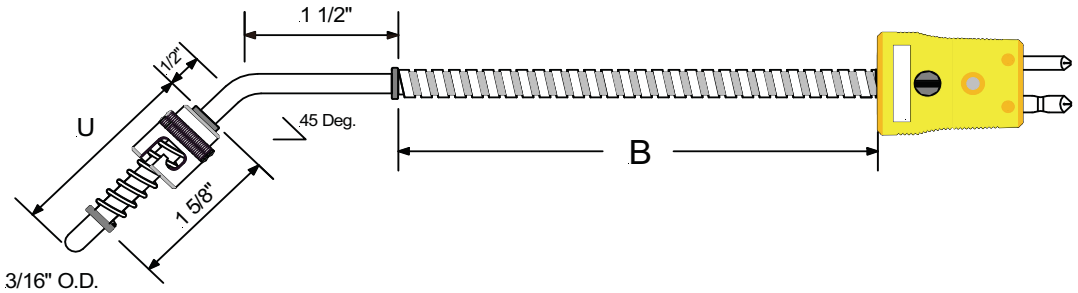
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouples

Fixed Bayonet Style Thermocouple. 45° Bend.

Model Code: B2

Maximum operating temperature 900 F or 500 C.



A	B	C	D	E	F	G	H	I		J	K
B2									—		

A Outside Diameter

A	1/8"
B	3/16"
C	1/4"

B "U" Dimension

Specify " U " Length In Inches 0 6

Example "U" is 6" = 06

C "U" Length Fractional

A	0"
B	1/8"
C	3/16"
D	1/4"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

D "B" Dimension

Specify " B " Length In Inches 0 4 8

Example "B" is 48" = 048

E Calibration

	+	−
J	White	Red
K	Yellow	Red
T	Blue	Red

F Junction Styles

Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	C	I

G Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

H Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

I Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 0.280" Outside Diameter
4	Armor Flexible Cable 0.210" Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

J Termination

A	3 1/2" Split leads & bare ends
B	3 1/2" Split leads & No.10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

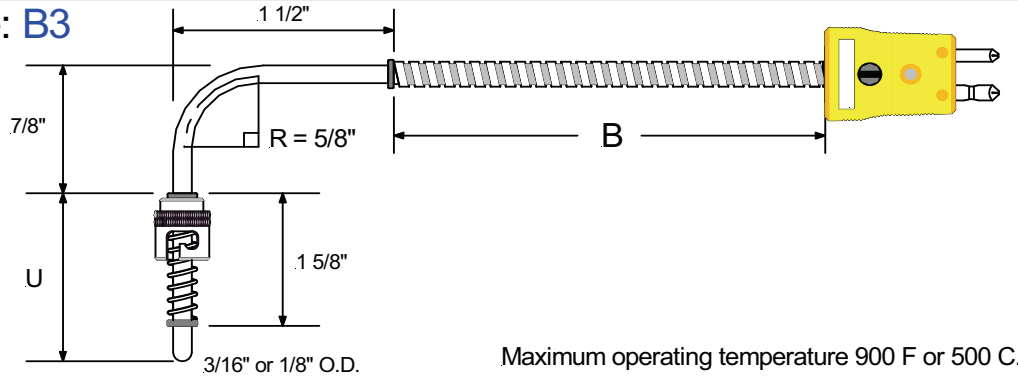
K Termination Options

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouples

Fixed Bayonet Style Thermocouple. 90° Bend.

Model Code: B3



Maximum operating temperature 900 F or 500 C.

A	B	C	D	E	F	G	H	I		J	K
B3									—		

A Outside Diameter

A	1/8"
B	3/16"
C	1/4"

B "U" Dimension

Specify " U " Length In Inches 0 6

Example "U" is 6" = 06

C "U" Length Fractional

A	0"
B	1/8"
C	3/16"
D	1/4"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

D "B" Dimension

Specify " B " Length In Inches 0 4 8

Example "B" is 48" = 048

E Calibration

	+	−
J	White	Red
K	Yellow	Red
T	Blue	Red

F Junction Styles

Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	C	I

G Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

H Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

I Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 0.280" Outside Diameter
4	Armor Flexible Cable 0.210" Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

J Termination

A	3 1/2" Split leads & bare ends
B	3 1/2" Split leads & No.10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

K Termination Options

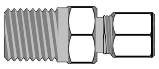
1	None
2	Bx Connector
3	Cable Clamp

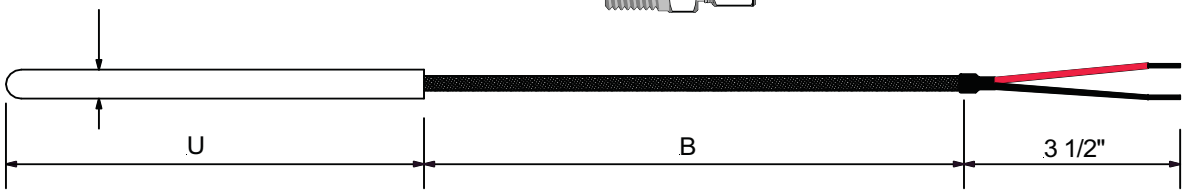
Plastic Industry Thermocouples

Tube & Wire General Purpose Thermocouple

Model Code: C1

Compression Fitting (Optional). Item purchased separately





Maximum operating temperature: 900F or 500C

A	B	C	D	E	F	G	H	I		J	K
C1									–		

A Outside Diameter

A	1/8"
B	3/16"
C	1/4"
D	5/16"

B "U" Dimension

Specify " U " Length In Inches 0 6

Example "U" is 6" = 06

C "U" Length Fractional

A	0"
B	1/8"
C	3/16"
D	1/4"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

D "B" Dimension

Specify " B " Length In Inches 0 4 8

Example "B" is 48" = 048

E Calibration

	+	–
J	White	Red
K	Yellow	Red
T	Blue	Red

F Junction Styles

Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	C	I

G Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

H Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

I Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 0.280" Outside Diameter
4	Armor Flexible Cable 0.210" Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

J Termination

A	3 1/2" Split leads & bare ends
B	3 1/2" Split leads & No.10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

K Termination Options

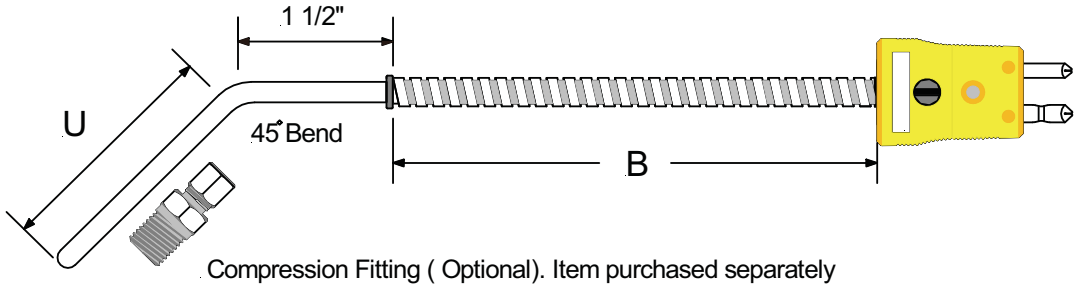
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouple

General Purpose Thermocouple-45° Bend

Model Code: C2

Maximum operating temperature: 900F or 500C



Compression Fitting (Optional). Item purchased separately

A	B	C	D	E	F	G	H	I		J	K
C2									—		

A Outside Diameter

A	1/8"
B	3/16"
C	1/4"
D	5/16"

B "U" Dimension

Specify " U " Length In Inches 0 6

Example "U" is 6" = 06

C "U" Length Fractional

A	0"
B	1/8"
C	3/16"
D	1/4"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

D "B" Dimension

Specify " B " Length In Inches 0 4 8

Example "B" is 48" = 048

E Calibration

	+	−
J	White	Red
K	Yellow	Red
T	Blue	Red

F Junction Styles

Element Description	Grounded		Ungrounded
	Common	Common	Isolated
Single	G		U
Duplex	D	C	I

G Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

H Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

I Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 0.280" Outside Diameter
4	Armor Flexible Cable 0.210" Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

J Termination

A	3 1/2" Split leads & bare ends
B	3 1/2" Split leads & No.10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

K Termination Options

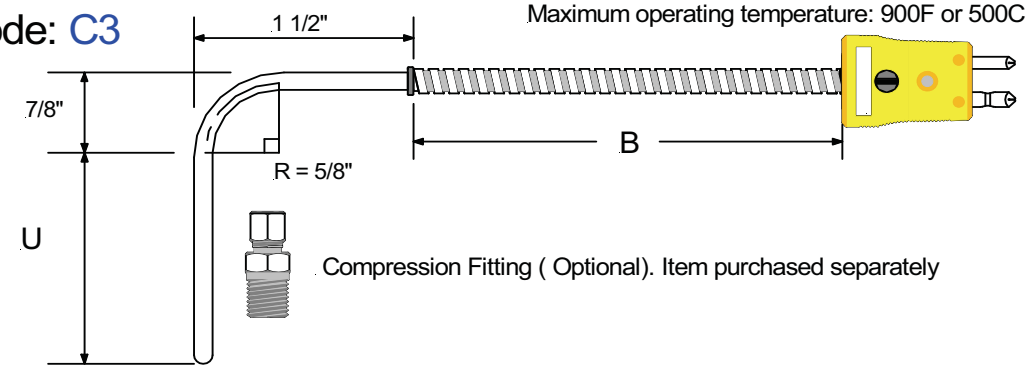
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouple

General Purpose Thermocouple-90° Bend

Model Code: C3

Maximum operating temperature: 900F or 500C



Compression Fitting (Optional). Item purchased separately

A	B	C	D	E	F	G	H	I		J	K
C3									—		

A Outside Diameter

A	1/8"
B	3/16"
C	1/4"
D	5/16"

B "U" Dimension

Specify " U " Length In Inches 0 6

Example "U" is 6" = 06

C "U" Length Fractional

A	0"
B	1/8"
C	3/16"
D	1/4"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

D "B" Dimension

Specify " B " Length In Inches 0 4 8

Example "B" is 48" = 048

E Calibration

	+	−
J	White	Red
K	Yellow	Red
T	Blue	Red

F Junction Styles

Element Description	Grounded		Ungrounded	
	Common		Common	Isolated
Single	G			U
Duplex	D		C	I

G Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

H Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

I Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 0.280" Outside Diameter
4	Armor Flexible Cable 0.210" Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

J Termination

A	3 1/2" Split leads & bare ends
B	3 1/2" Split leads & No.10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

K Termination Options

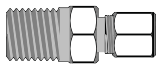
1	None
2	Bx Connector
3	Cable Clamp

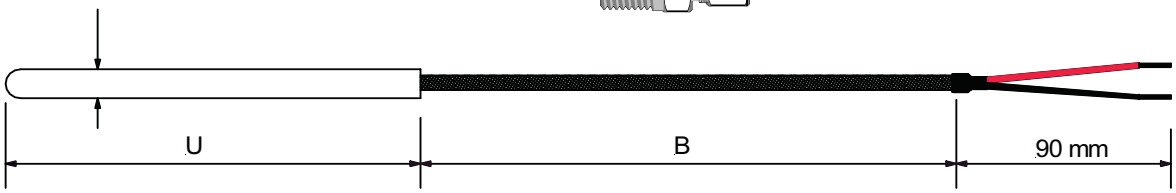
Plastic Industry Thermocouples

Metric Size Tube & Wire General Purpose Thermocouple

Model Code: C4

Compression Fitting (Optional). Item purchased separately





Maximum operating temperature: 500C

A	B	C	D		E		F	G	H		I	J
C4	___	___	___	___	–	___	–	___	___	___	–	___	___

A Outside Diameter

A	2mm
B	3mm
C	4mm
D	5mm
E	6mm

B "U" Dimension

Specify " U " Length In mm 1 5 0

Example "U" , is 150mm = 150

C Calibration

	+	–
J	White	Red
K	**Yellow**	Red
T	Blue	Red

D Junction Styles

Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	C	I

E "B" Dimension

Specify " B " Length In Meters 0 3

Example "B" is 3 M = 03

F Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

G Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

H Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 7.11mm Outside Diameter
4	Armor Flexible Cable 5.33mm Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

I Termination

A	90mm Split leads & bare ends
B	90mm Split leads & No.10 spade lugs.
C	Standard Male Plug (218 C)
D	Standard Female Jack (218 C)
E	Mini Male Plug (218 C)
F	Mini Female Jack (218 C)

J Termination Options

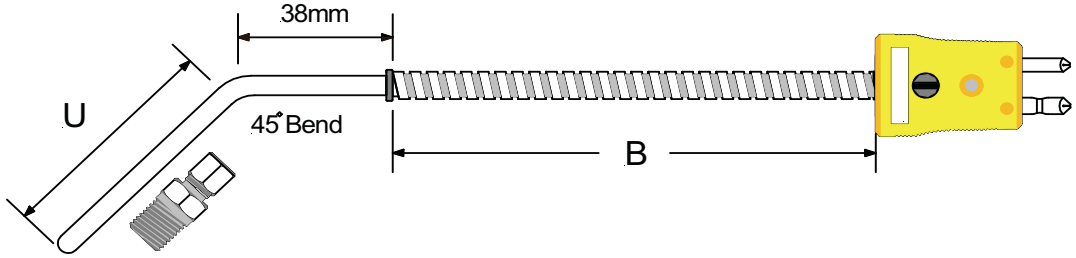
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouple

Metric General Purpose Thermocouple-45° Bend

Model Code: C5

Maximum operating temperature: 500C



Compression Fitting (Optional). Item purchased separately

A	B	C	D		E		F	G	H		I	J
C5				–		–				–		

A Outside Diameter

A	2mm
B	3mm
C	4mm
D	5mm
E	6mm

B "U" Dimension

Specify " U " Length In mm 1 5 0

Example "U" , is 150mm = 150

C Calibration

	+	–
J	White	Red
K	Yellow	Red
T	Blue	Red

D Junction Styles

Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	C	I

E "B" Dimension

Specify " B " Length In Meters 0 3

Example "B" is 3 M = 03

F Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

G Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

H Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 7.11mm Outside Diameter
4	Armor Flexible Cable 5.33mm Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

I Termination

A	90mm Split leads & bare ends
B	90mm Split leads & No.10 spade lugs.
C	Standard Male Plug (218 C)
D	Standard Female Jack (218 C)
E	Mini Male Plug (218 C)
F	Mini Female Jack (218 C)

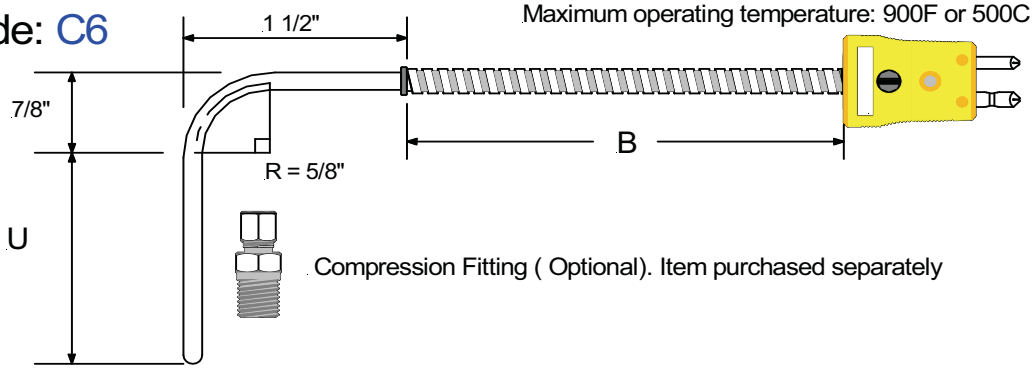
J Termination Options

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouple

Metric General Purpose Thermocouple-90° Bend

Model Code: C6



Maximum operating temperature: 900F or 500C

C6 | A | B | C | D | – | E | – | F | G | H | – | I | J |

A Outside Diameter

A	2mm
B	3mm
C	4mm
D	5mm
E	6mm

B "U" Dimension

Specify " U " Length In mm 1 5 0

Example "U" , is 150mm = 150

C Calibration

	+	–
J	White	Red
K	Yellow	Red
T	Blue	Red

D Junction Styles

Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	C	I

E "B" Dimension

Specify " B " Length In Meters 0 3

Example "B" is 3 M = 03

F Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

G Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

H Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 7.11mm Outside Diameter
4	Armor Flexible Cable 5.33mm Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

I Termination

A	90mm Split leads & bare ends
B	90mm Split leads & No.10 spade lugs.
C	Standard Male Plug (218 C)
D	Standard Female Jack (218 C)
E	Mini Male Plug (218 C)
F	Mini Female Jack (218 C)

J Termination Options

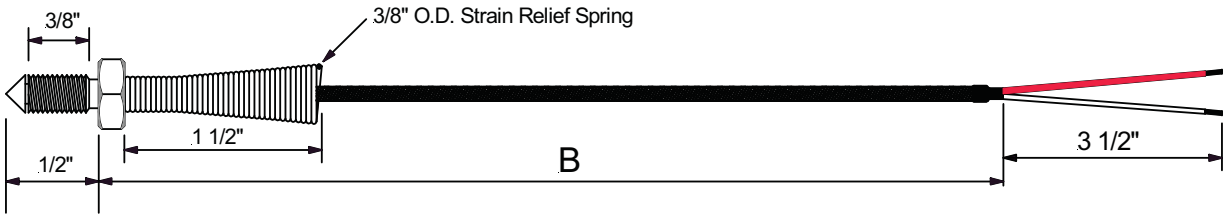
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouples

Nozzle Bolt Style Thermocouple

Model Code: D1

Maximum operating temperature: 900F or 500C



Steps: 1. 2. 3. 4. – 5. – 6. 7.

Model: D1 [ ] [ ] [ ] [ ] – [ ][ ][ ] – [ ] [ ]

1. Nozzle Bolt Thread Size	
1	1/4" x 28 UNF
2	M6 x 1mm
3	M8 x 1mm
4	M8 x 1.25mm

2. Wire Description	
S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable
T	20 Gage Stranded Teflon Cable

3. Calibration	
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

4. Junction	
G	Grounded
U	Ungrounded

5. "B" Dimension
"B"= 0 4 8 "
Leads Wire Length In Inches

6. Termination Type	
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & No.10 Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

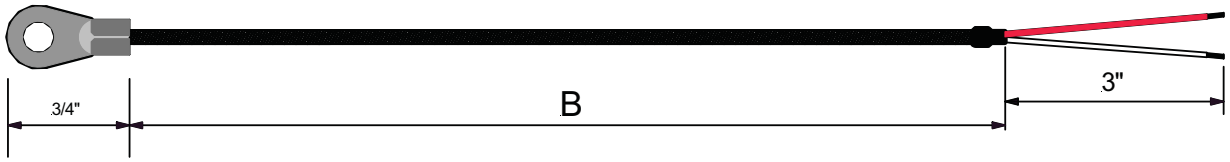
7. Accessories	
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouples

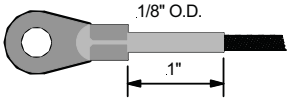
Ring Terminal Style Thermocouple

Model Code: E1

Maximum operating temperature: 900F or 500C



Unground Style Configeration



Steps:

Model: E1 [1.] [2.] [3.] [4.] – [5.] – [6.] [7.]

1. Ring Terminal Hole Size

1	No. 8 Ring Terminal
2	No. 10 Ring Terminal
3	1/4" I.D. Hole Ring Terminal
4	1/2" I.D. Hole Ring Terminal

2. Wire Description

S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable
T	20 Gage Stranded Teflon Cable

3. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum
T	(+) Copper Vs. (-) Copper-Nickel

4. Junction

G	Grounded
U	Ungrounded

5. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

6. Termination Type

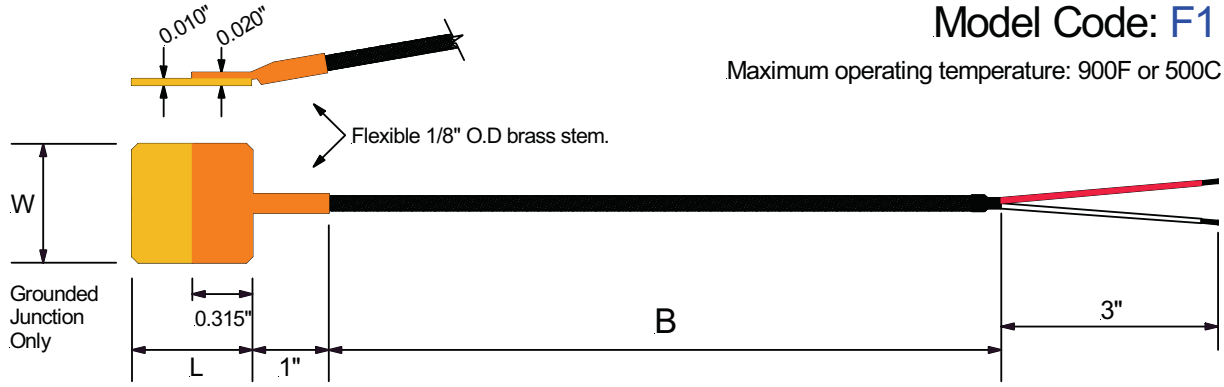
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & No.10 Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

7. Accessories

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouples

Shim Stock Style Thermocouple. Brass Shim



Model Code: F1

Maximum operating temperature: 900F or 500C

Steps: 1. 2. 3. 4. 5. 6.

Model: F1 [ ] [ ] [ ] – [___] – [ ] [ ]

1. Shim Size: Width x Length

1	1/2" x 1/2"
2	3/4" x 3/4"
3	3/4" x 7/8"
4	1" x 1"

2. Wire Description

S	20 Gage, Stranded, Stainless Steel Braid
F	20 Gage, Stranded, Fiberglass Cable

3. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

4. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

5. Termination Type

A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & No. 10 Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

6. Accessories

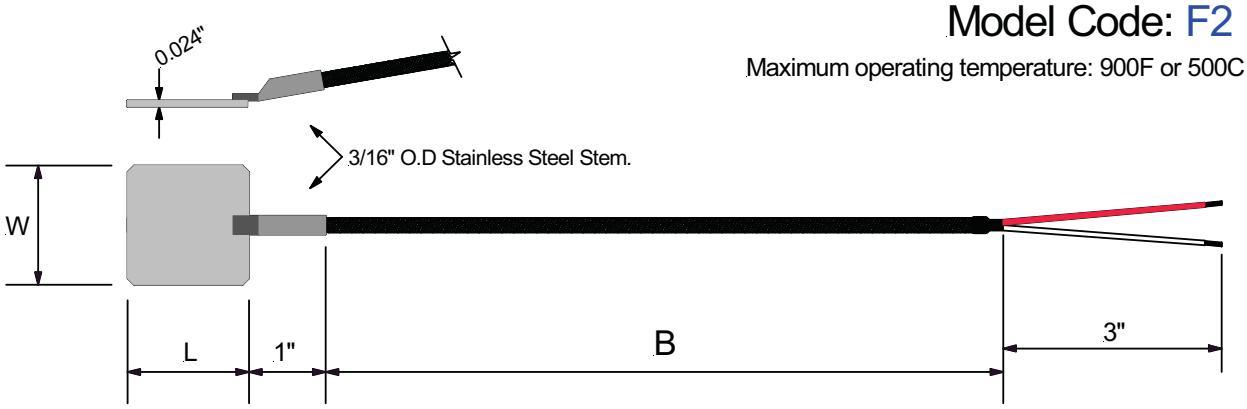
1	None
2	Cable Clamp

Plastic Industry Thermocouples

Shim Stock Style Thermocouple. Stainless Steel Shim

Model Code: F2

Maximum operating temperature: 900F or 500C



Steps:

Model: F2 [1.] [2.] [3.] – [4.] – [5.] [6.] [7.]

1. Shim Size: Width x Length

1	1/2" x 1/2"
2	3/4" x 3/4"
3	3/4" x 7/8"
4	1" x 1"

2. Wire Description

S	20 Gage, Stranded, Stainless Steel Braid
F	20 Gage, Stranded, Fiberglass Cable
X	Flexible Armor Cable

3. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

4. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

5. Junction

G	Grounded
U	Ungrounded

6. Termination Type

0	3" Split Leads & 1/2" Bare Ends.
1	3" Slip Leads & No.10 Spade Lugs
2	Standard Male Plug
3	Standard Female Jack
4	Mini Male Plug
5	Mini Female Jack

7. Accessories

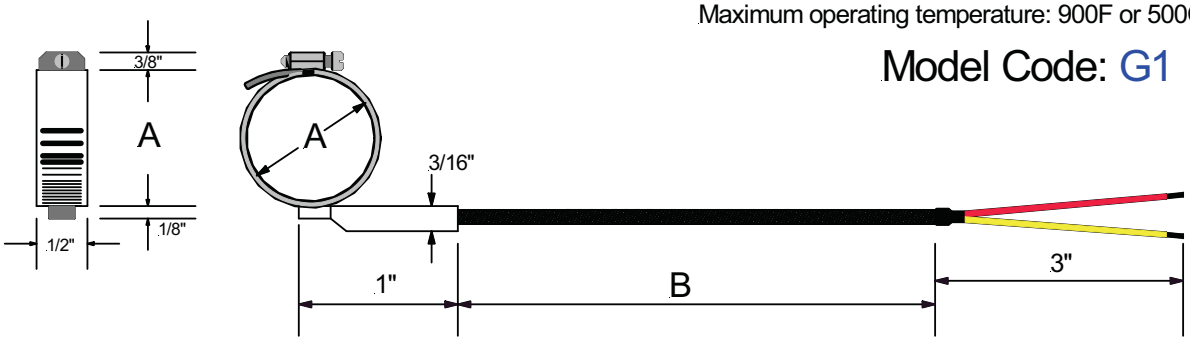
A	None
B	Bx Connector
C	Cable Clamp

Plastic Industry Thermocouples

Pipe Clamp Style Thermocouple

Maximum operating temperature: 900F or 500C

Model Code: G1



Steps To Follow:

	1.	2.	3.		4.		5.	6.
Model No. G1				–		–		

1. Pipe Clamp Description

A= Diameter Range

	Minimum	Maximum
1	1 1/16"	2"
2	1 13/16"	2 3/4"
3	2 9/16"	3 1/2"
4	3"	5"
5	5"	7"

2. Wire Description

S	20 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	20 Gage Stranded Fiberglass Cable

3. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

4. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

5. Termination Type

A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

6. Accessories

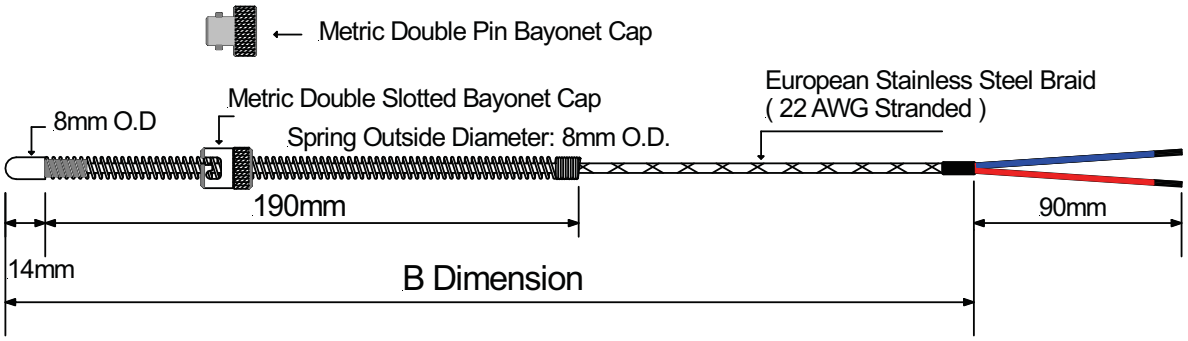
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouples

European Adjustable Bayonet

Model Code: H1

Maximum operating temperature: 900F or 500C



Steps To Follow:

Model: H1 [1.] [2.] [3.] – [4.] – [5.] [6.]

1. Probe Tip Description

R	Radius Tip Style
F	Flat Tip Style

2. Bayonet Cap Option

1	M12 Bayonet Cap
2	M14 Bayonet Cap
3	M16 Bayonet Cap
4	Double Pin Bayonet Cap

3. Termination Type

A	3 1/2" Split Leads & 1/2" Bare Ends.
B	3 1/2" Split Leads & Pin Connectors
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

4. "B" Dimension

"B"= 048" Length In Inches OR "B"= 3M Length In Meters

5. Calibration

J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

6. Junction Styles

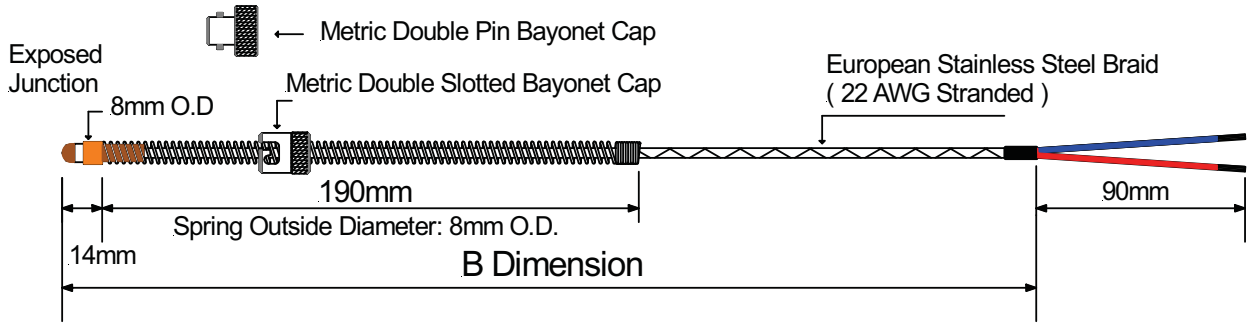
	Grounded	Ungrounded
Single	G	U
Dual	D	Y

Plastic Industry Thermocouples

European Adjustable Bayonet , Exposed Brass Tip Style

Model Code: H2

Maximum operating temperature: 900F or 500C



Steps To Follow:

Model: H2 [1.] [2.] – [3.] – [4.]

1. Bayonet Cap Option	
1	M12 Bayonet Cap
2	M14 Bayonet Cap
3	M16 Bayonet Cap
4	Double Pin Bayonet Cap

3. "B" Dimension			
"B"= 048"	Length In Inches	OR	"B"= 3M Length In Meters

2. Termination Type	
A	3 1/2" Split Leads & 1/2" Bare Ends.
B	3 1/2" Split Leads & Pin Connectors
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

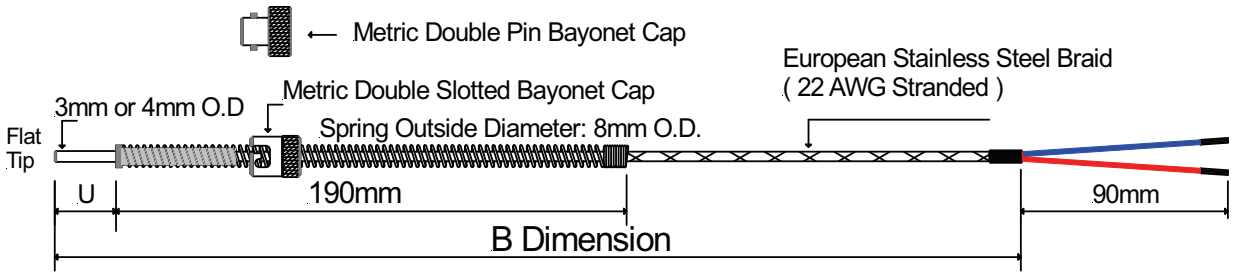
4. Calibration	
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

Plastic Industry Thermocouples

European Fixed Adjustable Bayonet

Model Code: H3

Maximum operating temperature: 900F or 500C



Steps To Follow:

Model: H3 [1.] – [2. __] – [3.] – [4. ___] – [5.] [6.] [7.]

1. Probe Tip Diameter	
A	3mm Outside Diameter
B	4mm Outside Diameter

2. "U" Dimension
"U"= __25__ mm Length In MM

3. Bayonet Cap Option	
A	M12 Bayonet Cap
B	M14 Bayonet Cap
C	M16 Bayonet Cap
D	Double Pin Bayonet Cap

4. "B" Dimension		
"B"= __048__ Length In Inches	OR	"B"= __3M__ Length In Meters

5. Termination Type	
A	3 1/2" Split Leads & 1/2" Bare Ends.
B	3 1/2" Split Leads & Pin Connectors
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

6. Calibration	
J	(+) Iron Vs. (-) Constantan
K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum

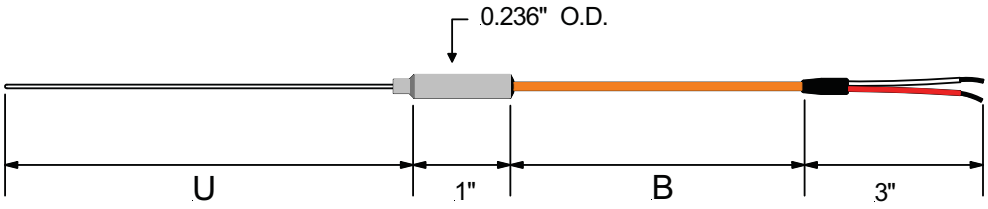
7. Junction Styles	Grounded	Ungrounded
Single	G	U
Dual	D	Y

Mineral Insulated Thermocouple

Hot Runner Style Thermocouple

Model Code: J1

Maximum operating temperature: 900F or 500C



Compression fittings are sold seperatly. See accessory section.

Model: **J1** [A] [B] [C] [D] [E] [F] — [G] [H] [I]

A	Outside Diameter
1	0.020" = 0.5mm
2	0.032"
3	0.040" = 1mm
4	0.059" = 1.5mm
5	0.063"

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	Inconel 600

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

E	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

F	Junction Styles			
Element Description	Grounded	Ungrounded		
	Common	Common	Isolated	
Single	G		U	
Duplex	D	F	H	

G	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 48" = 048

H	Cable Insulation Description
A	24 Gage, Stranded, Kapton
B	24 Gage, Solid, Kapton
C	24 Gage, Stranded, Teflon
D	24 Gage, Solid, Teflon
E	24 Gage, Stranded, Fiberglass
F	24 Gage, Solid, Fiberglass

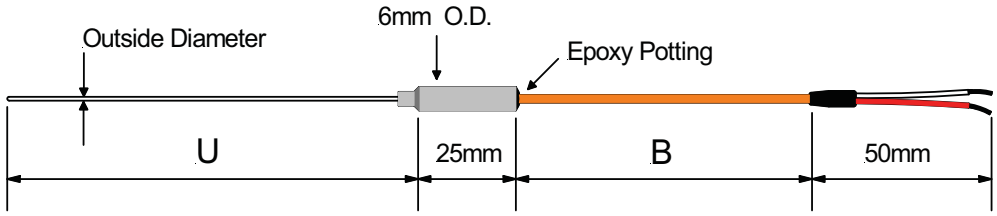
I	Termination
1	3" Split Leads & 1/2" bare ends.
2	3" Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

Metric Hot Runner Style Thermocouple

Model Code: J2

Maximum operating temperature: 500F or 260C



Compression fittings are sold seperatly. See accessory section.

Model: J2 [A] [B] [C] — [D] [E] — [F] [G] [H]

A	Outside Diameter
1	0.5mm
2	1mm
3	1.5mm

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	Inconel 600

C	"U" Dimension
Specify " U " Length In mm	1 5 0

Example "U" is 150mm = 150

D	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H

F	"B" Dimension
Specify " B " Length In Meters	0 2

Example "B" is 2M = 02

G	Cable Insulation Description
A	24 Gage, Stranded, Kapton
B	24 Gage, Solid, Kapton
C	24 Gage, Stranded, Teflon
D	24 Gage, Solid, Teflon
E	24 Gage, Stranded, Fiberglass
F	24 Gage, Solid, Fiberglass

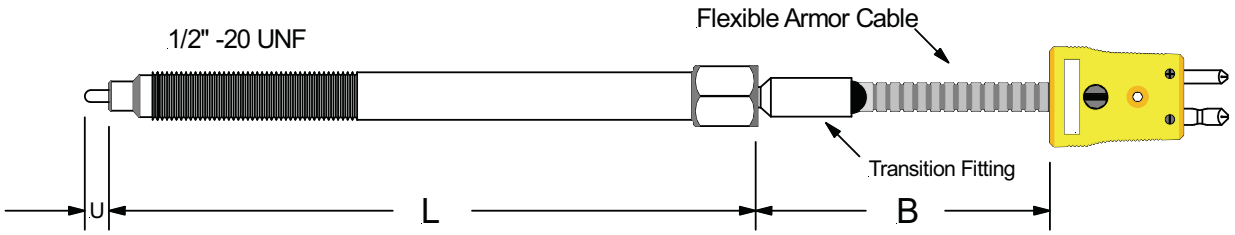
H	Termination
1	50mm Split Leads,15mm bare ends.
2	50mm Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Plastic Industry Thermocouples

Melt Bolt Thermocouple. Mineral Insulated

Model Code: K1

Operating Temperature: -200 C to +500 C



Steps: A B C — D E — F G H

Model K1 [ ] [ ] [ ] — [ ] [ ] — [ ] [ ] [ ]

A	Melt Bolt Length " L "
3	3"
4	4"
6	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.125"
B	0.188"
C	0.250"

C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H

F	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 048 =48"

G	Termination
A	3" Split leads, 1/2" bare ends.
B	3" Split leads & No. 10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

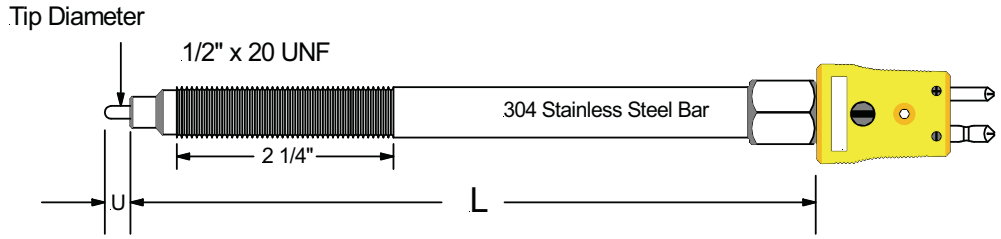
H	Termination Options
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry Thermocouples

Rigid Melt Bolt Thermocouple. Mineral Insulated

Model Code: K2

Operating Temperature: -200 C to +500 C



Steps: A B C – D E – F

Model K2 ____ ____ ____ – ____ ____ – ____

A	Melt Bolt Length " L "
3	3"
4	4"
6	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.125"
B	0.188"
C	0.250"

C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	Calibration		
Standard Limits of Error		Special Limits of Error	
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H

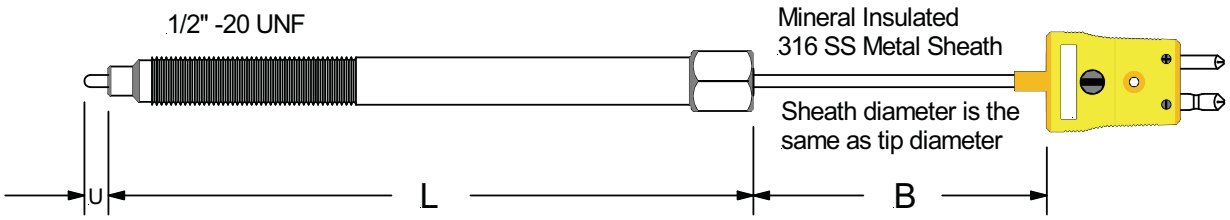
F	Termination
1	Standard Male Plug (350 F)
2	Standard Female Jack (350 F)
3	Mini Male Plug (350 F)
4	Mini Female Jack (350 F)

Plastic Industry Thermocouples

Fixed Melt Bolt Thermocouple. Mineral Insulated

Model Code: K3

Operating Temperature: -200 C to +500 C



Steps:

Model K3 [A] [B] [C] – [D] [E] – [F] [G]

A	Melt Bolt Length " L "
3	3"
4	4"
6	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.125"
B	0.188"
C	0.250"

C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	M

F	"B" Dimension
Specify " B " Length In Inches	0 4

Example "B" is 04 = 4"

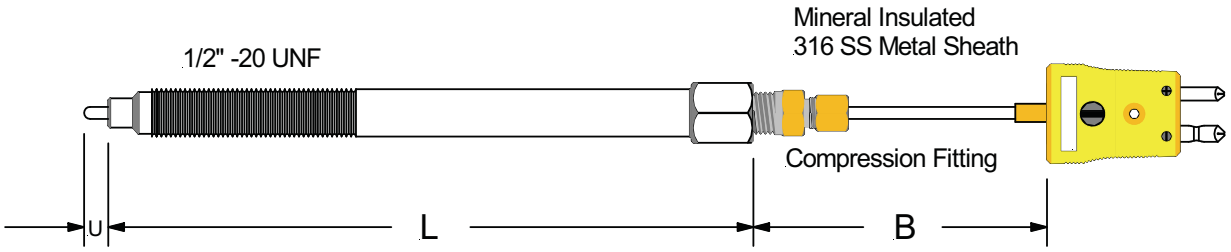
G	Termination
A	Standard Male Plug.
B	Standard Female Jack.
C	Mini Male Plug.
D	Mini Female Jack.

Plastic Industry Thermocouples

Adjustable Melt Bolt Thermocouple. Mineral Insulated

Model Code: K4

Operating Temperature: -200 C to +500 C



Steps: A B C – D E – F G

Model K4 [ ] [ ] [ ] – [ ] [ ] – [ ] [ ]

A	Melt Bolt Length " L "
3	3"
4	4"
6	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.125"
B	0.188"
C	0.250"

C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H

F	"B" Dimension
Specify " B " Length In Inches	0 4

Example "B" is 04" = 4"

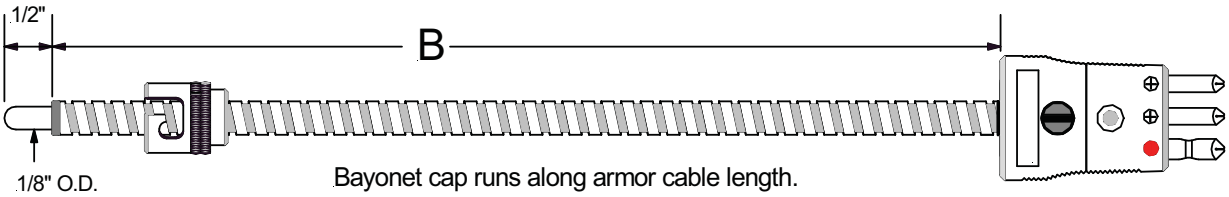
G	Termination
A	Standard Male Plug.
B	Standard Female Jack.
C	Mini Male Plug.
D	Mini Female Jack.

Plastic Industry RTD's

Miniature Adjustable Bayonet Style RTD

Armor cable outside diameter: 0.210"

Operating Temperature: -200 C to +250 C



Bayonet cap runs along armor cable length.

Steps To Follow:

Model: 1A [1.] [2.] [3.] - [4.] - [5.]

1. Termination Type

0	3" Split Leads & 1/2" Bare Ends.
1	3" Slip Leads & Spade Lugs
2	Standard Male Plug (2 & 3 Wire config. only)
3	Standard Female Jack (2 & 3 Wire config. only)
4	Mini Male Plug (2 & 3 Wire config. only)
5	Mini Female Jack (2 & 3 Wire config. only)

2. Accessories

N	None
X	Bx Connector
C	Cable Clamp

3. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

4. RTD Element Type

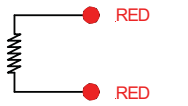
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

5. RTD Wire Connection

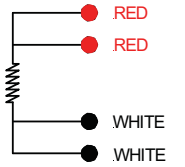
2	2 Wire Configuration
3	3 Wire Configuration
4	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

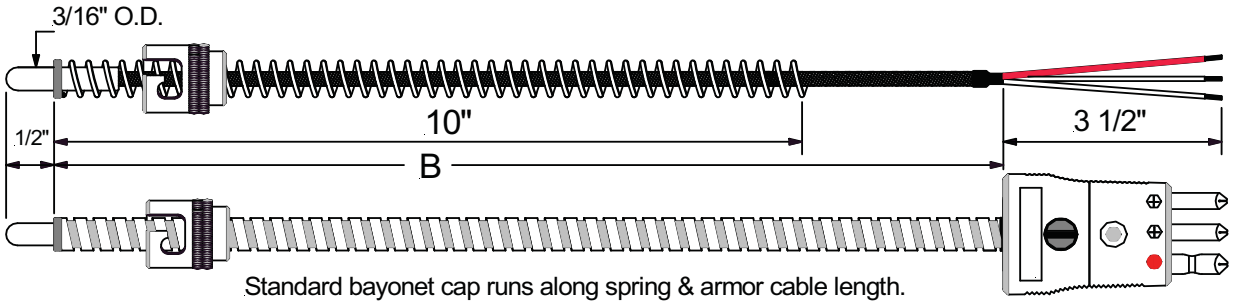
4 Wire Configuration



Plastic Industry RTD's

Adjustable Bayonet Style RTD

Low temperature application



Standard bayonet cap runs along spring & armor cable length.

Operating Temperature: -200 C to +250 C

2A [1.] [2.] [3.] - [4.] - [5.] [6.]

1. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

2. Termination Type

0	3" Split Leads & 1/2" Bare Ends.	
1	3" Slip Leads & Spade Lugs	
2	Standard Male Plug	(2 & 3 Wire config. only)
3	Standard Female Jack	(2 & 3 Wire config. only)
4	Mini Male Plug	(2 & 3 Wire config. only)
5	Mini Female Jack	(2 & 3 Wire config. only)

3. Accessories

N	None
X	Bx Connector
C	Cable Clamp

4. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

5. RTD Element Type

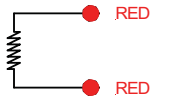
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

6. RTD Wire Connection

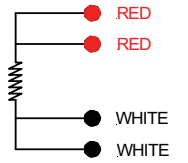
2	2 Wire Configuration
3	3 Wire Configuration
4	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

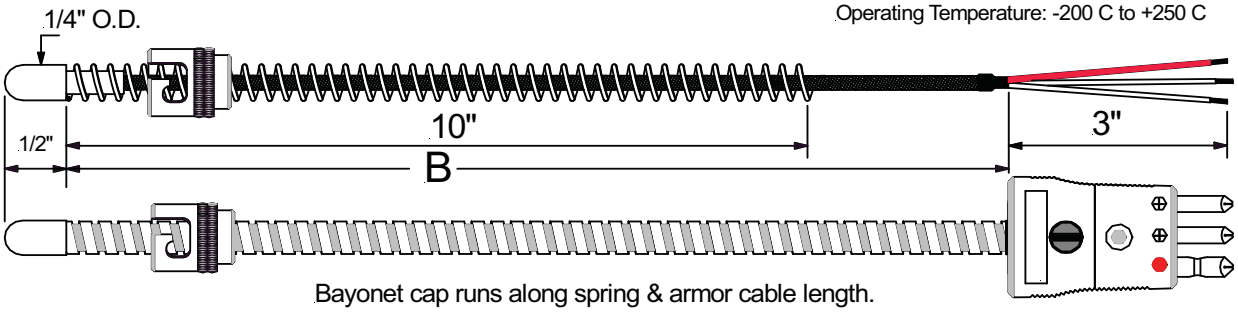
4 Wire Configuration



Plastic Industry RTD's

1/4" Diameter Adjustable Bayonet Style RTD

Operating Temperature: -200 C to +250 C



Bayonet cap runs along spring & armor cable length.

Steps To Follow:

Model: 3A [1.] [2.] [3.] - [4.] - [5.] [6.]

1. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

2. Termination Type

0	3" Split Leads & 1/2" Bare Ends.
1	3" Slip Leads & Spade Lugs
2	Standard Male Plug (2 & 3 Wire config. only)
3	Standard Female Jack (2 & 3 Wire config. only)
4	Mini Male Plug (2 & 3 Wire config. only)
5	Mini Female Jack (2 & 3 Wire config. only)

3. Accessories

N	None
X	Bx Connector
C	Cable Clamp

4. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

5. RTD Element Type

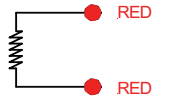
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

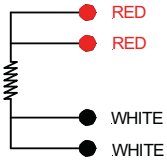
Temperature Coefficient: 0.00385
Platinum element
IEC 751

6. RTD Wire Connection

2	2 Wire Configuration
3	3 Wire Configuration
4	4 Wire Configuration

2 Wire Configuration



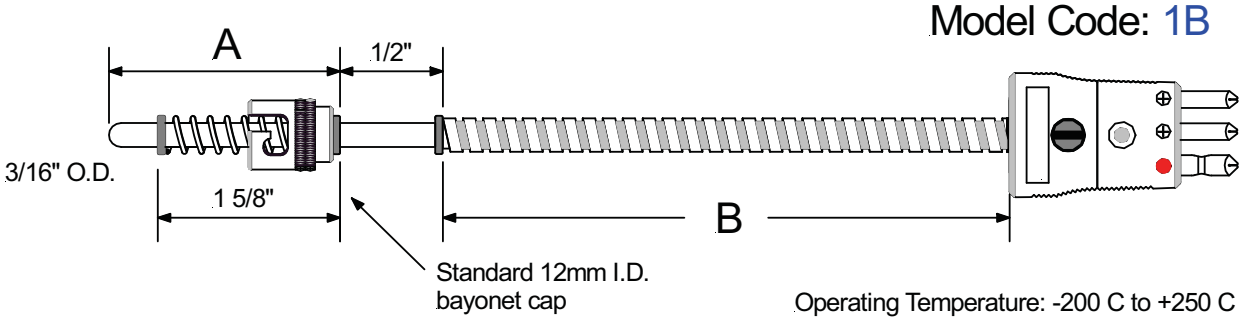


3 Wire Configuration

Plastic Industry RTD's

Fixed Bayonet Style RTD. Low temperature application

Model Code: 1B



Operating Temperature: -200 C to +250 C

Steps To Follow:

Model: 1B [1.] [2.] [3.] [4.] [5.] [6.] [7.]

1. "A" Dimension

"A"= 0 2 "

Insertion Length In Inches

2. RTD Element Type

Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

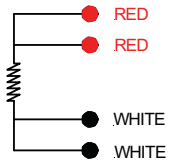
3. RTD Wire Connection

A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration

3 Wire Configuration

4 Wire Configuration



4. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

5. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

6. Termination Type

A	3" Split Leads & 1/2" Bare Ends.	
B	3" Slip Leads & Spade Lugs	
C	Standard Male Plug	(2 & 3 Wire config. only)
D	Standard Female Jack	(2 & 3 Wire config. only)
E	Mini Male Plug	(2 & 3 Wire config. only)
F	Mini Female Jack	(2 & 3 Wire config. only)

7. Accessories

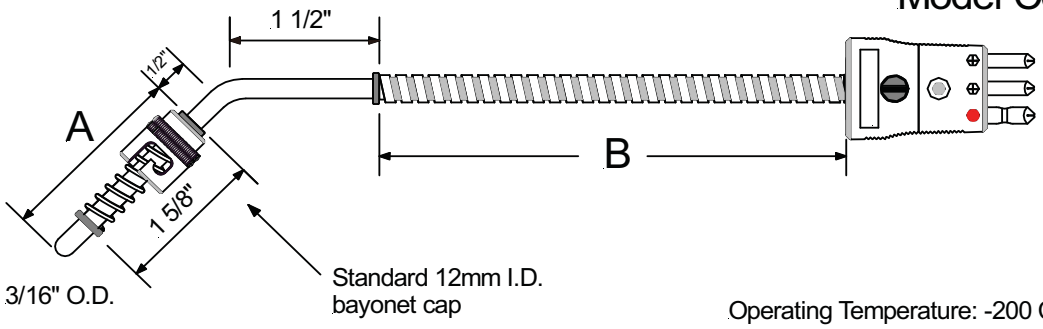
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

Fixed Bayonet Style RTD. 45° Bend

Low temperature application

Model Code: 2B



Operating Temperature: -200 C to +250 C

Steps To Follow:

Model: 2B [1.] [2.] [3.] [4.] [5.] [6.] [7.]

1. "A" Dimension

"A"= 0 2 "

Insertion Length In Inches

2. RTD Element Type

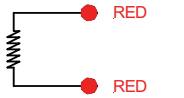
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

3. RTD Wire Connection

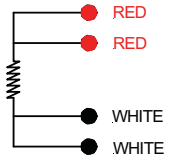
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



4. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

5. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

6. Termination Type

A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & Spade Lugs
C	Standard Male Plug (2 & 3 Wire config. only)
D	Standard Female Jack (2 & 3 Wire config. only)
E	Mini Male Plug (2 & 3 Wire config. only)
F	Mini Female Jack (2 & 3 Wire config. only)

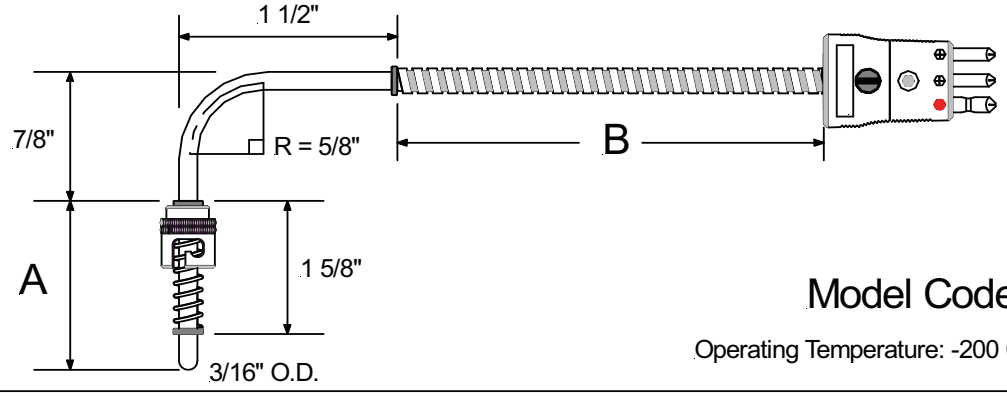
7. Accessories

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

Fixed Bayonet Style RTD, 90° Bend

Low temperature application



Model Code: 3B

Operating Temperature: -200 C to +250 C

Steps To Follow:

Model: 3B [1.] [2.] [3.] [4.] [5.] [6.] [7.]

1. "A" Dimension

"A"= 0 2 "

Insertion Length In Inches

2. RTD Element Type

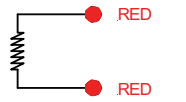
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

3. RTD Wire Connection

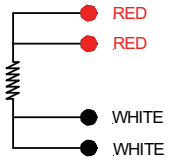
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



4. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

5. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

6. Termination Type

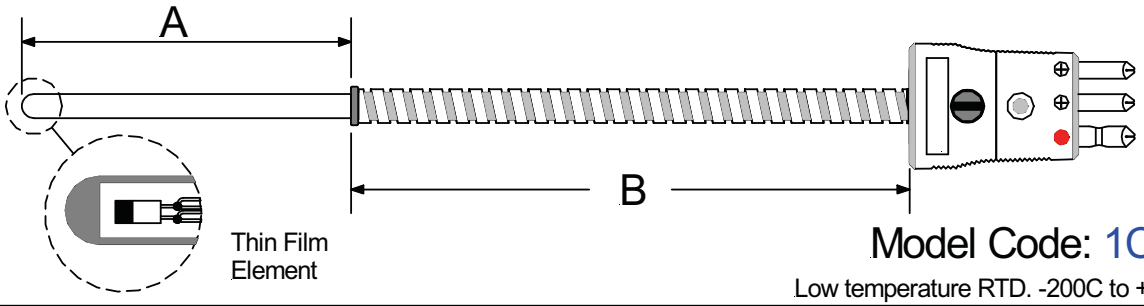
A	3" Split Leads & 1/2" Bare Ends.	
B	3" Slip Leads & Spade Lugs	
C	Standard Male Plug	(2 & 3 Wire config. only)
D	Standard Female Jack	(2 & 3 Wire config. only)
E	Mini Male Plug	(2 & 3 Wire config. only)
F	Mini Female Jack	(2 & 3 Wire config. only)

7. Accessories

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

Tube & Wire General Purpose RTD.



Model Code: 1C

Low temperature RTD. -200C to +250C

Model: 1C [1.] [2.] [__ __] – [3.] [4.] [5.] [6.] [__ __ __] [7.] [8.]

1. Outside Diameter

A	1/8"
B	3/16"
C	1/4"

2. "A" Dimension

"A"= 0 2 "

Insertion Length In Inches

3. RTD Element Type

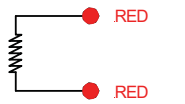
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

4. RTD Wire Connection

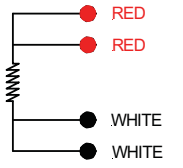
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



5. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

6. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

7. Termination Type

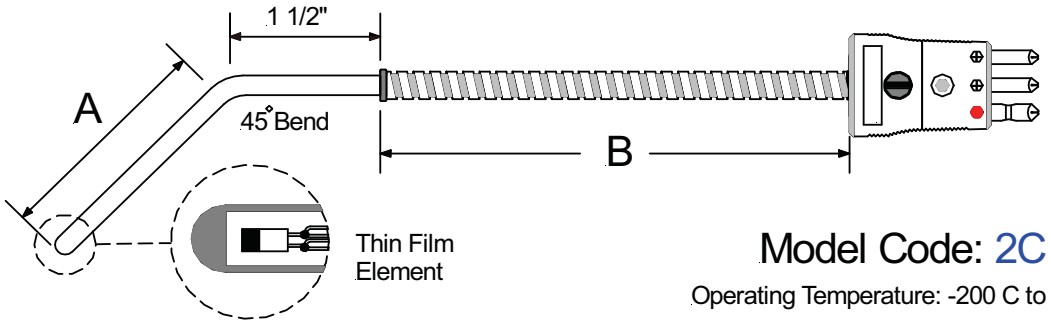
A	3" Split Leads & 1/2" Bare Ends.	
B	3" Slip Leads & Spade Lugs	
C	Standard Male Plug	(2 & 3 Wire config. only)
D	Standard Female Jack	(2 & 3 Wire config. only)
E	Mini Male Plug	(2 & 3 Wire config. only)
F	Mini Female Jack	(2 & 3 Wire config. only)

8. Accessories

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

General Purpose RTD. 45° Bend



Model Code: 2C

Operating Temperature: -200 C to +250 C

Model: 2C [1.] [2.] – [3.] [4.] [5.] [6.] [7.] [8.]

1. Outside Diameter

A	1/8"
B	3/16"
C	1/4"

2. "A" Dimension

"A"= 0 2 "

Insertion Length In Inches

3. RTD Element Type

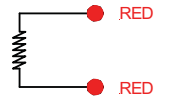
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

4. RTD Wire Connection

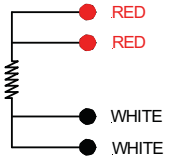
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



5. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

6. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

7. Termination Type

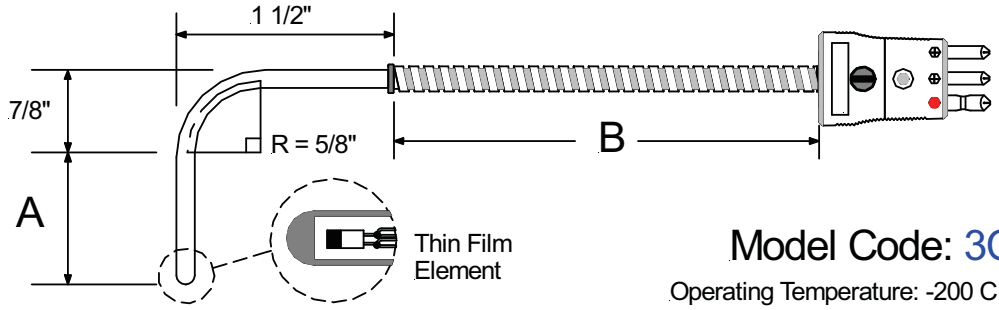
A	3" Split Leads & 1/2" Bare Ends.	
B	3" Slip Leads & Spade Lugs	
C	Standard Male Plug	(2 & 3 Wire config. only)
D	Standard Female Jack	(2 & 3 Wire config. only)
E	Mini Male Plug	(2 & 3 Wire config. only)
F	Mini Female Jack	(2 & 3 Wire config. only)

8. Accessories

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

General Purpose RTD. 90° Bend



Model Code: 3C

Operating Temperature: -200 C to +250 C

Model: 3C [1.] [2.] [3.] [4.] [5.] [6.] [7.] [8.]

1. Outside Diameter

A	1/8"
B	3/16"
C	1/4"

2. "A" Dimension

"A"= 0 2 "

Insertion Length In Inches

3. RTD Element Type

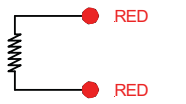
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

4. RTD Wire Connection

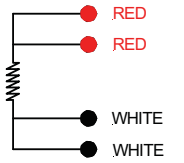
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



5. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

6. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

7. Termination Type

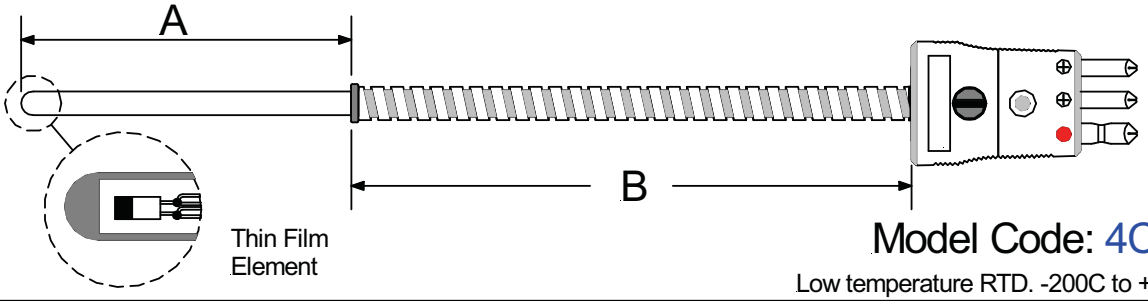
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & Spade Lugs
C	Standard Male Plug (2 & 3 Wire config. only)
D	Standard Female Jack (2 & 3 Wire config. only)
E	Mini Male Plug (2 & 3 Wire config. only)
F	Mini Female Jack (2 & 3 Wire config. only)

8. Accessories

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

Metric Size Tube & Wire General Purpose RTD



Model Code: 4C

Low temperature RTD. -200C to +250C

Model: 4C [1.] [2.] [3.] [4.] [5.] [6.] [7.] [8.]

1. Outside Diameter

A	3mm
B	4mm
C	5mm
D	6mm

2. "A" Dimension

"A"= 150 "

Insertion Length In mm

3. RTD Element Type

Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

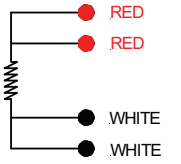
4. RTD Wire Connection

A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration

3 Wire Configuration

4 Wire Configuration



5. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

6. "B" Dimension

"B"= 01 "

Leads Wire Length In Meters

7. Termination Type

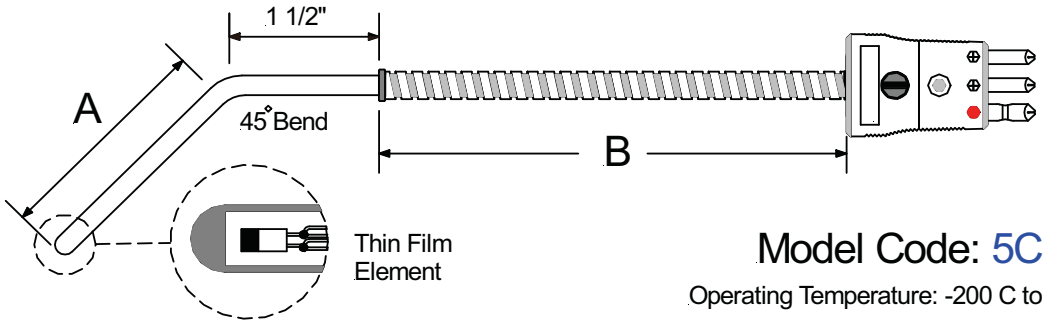
A	90mm Split Leads & Bare Ends.	
B	90mm Slip Leads & Spade Lugs	
C	Standard Male Plug	(2 & 3 Wire config. only)
D	Standard Female Jack	(2 & 3 Wire config. only)
E	Mini Male Plug	(2 & 3 Wire config. only)
F	Mini Female Jack	(2 & 3 Wire config. only)

8. Accessories

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

Metric Size General Purpose RTD. 45 Bend



Model Code: 5C

Operating Temperature: -200 C to +250 C

Model: 5C [1.] [2.] [3.] [4.] [5.] [6.] [7.] [8.]

1. Outside Diameter

A	3mm
B	4mm
C	5mm
D	6mm

2. "A" Dimension

"A"= 150 "

Insertion Length In mm

3. RTD Element Type

Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

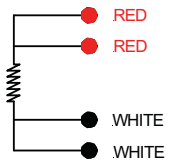
4. RTD Wire Connection

A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration

3 Wire Configuration

4 Wire Configuration



5. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

6. "B" Dimension

"B"= 01 "

Leads Wire Length In Meters

7. Termination Type

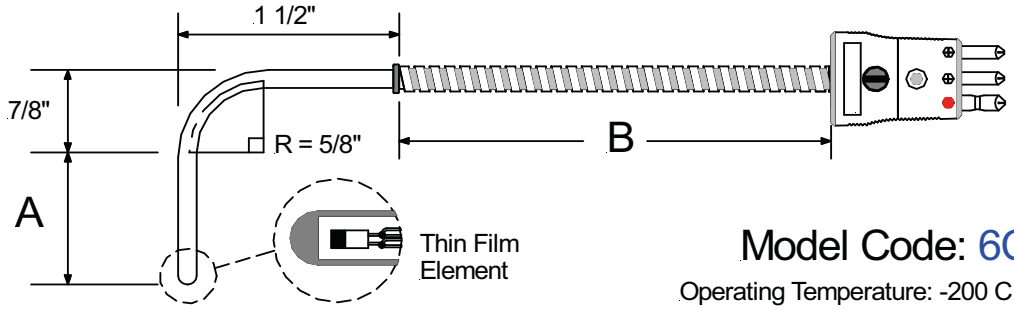
A	90mm Split Leads & Bare Ends.
B	90mm Slip Leads & Spade Lugs
C	Standard Male Plug (2 & 3 Wire config. only)
D	Standard Female Jack (2 & 3 Wire config. only)
E	Mini Male Plug (2 & 3 Wire config. only)
F	Mini Female Jack (2 & 3 Wire config. only)

8. Accessories

1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

General Purpose RTD. 90° Bend



Model Code: 6C

Operating Temperature: -200 C to +250 C

6C	1.	2.		3.	4.	5.	6.	7.	8.
			-						

1. Outside Diameter

A	3mm
B	4mm
C	5mm
D	6mm

2. "A" Dimension

"A"= 1 5 0 "

Insertion Length In mm

3. RTD Element Type

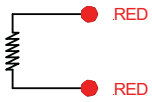
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

4. RTD Wire Connection

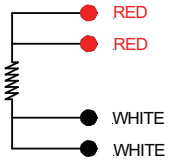
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



5. Wire Description

S	24 Gage Stranded Stainless Steel Braid
X	Flexible Armor Cable
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

6. "B" Dimension

"B"= 0 1 "

Leads Wire Length In Meters

7. Termination Type

A	90mm Split Leads & Bare Ends.
B	90mm Slip Leads & Spade Lugs
C	Standard Male Plug (2 & 3 Wire config. only)
D	Standard Female Jack (2 & 3 Wire config. only)
E	Mini Male Plug (2 & 3 Wire config. only)
F	Mini Female Jack (2 & 3 Wire config. only)

8. Accessories

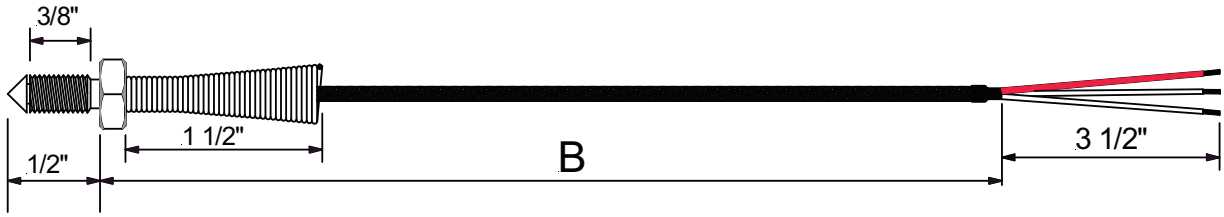
1	None
2	Bx Connector
3	Cable Clamp

Plastic Industry RTD's

Nozzle Bolt Style RTD

Model Code: 1D

Operating Temperature: -200 C to +250 C



Model: 1D [1.] [2.] [3.] [4.] [5.] - [6.] [7.]

1. Nozzle Bolt Thread Size

1	1/4" x 28 UNF
2	M6 x 1mm
3	M6 x 1.25mm
4	M8 x 1mm
5	M8 x 1.25mm

2. Wire Description

S	26 Gage, Stranded, Stainless Steel Braid
T	26 Gage, Stranded, Teflon
X	0.210 O.D., Flexible Armor, Teflon Wire
F	26 Gage, Stranded, Fiberglass Cable
C	0.210 O.D., Flexible Armor, Fiberglass Wire

3. Termination Type

0	3" Split Leads & 1/2" Bare Ends.	
1	3" Slip Leads & Spade Lugs	
2	Standard Male Plug	(2 & 3 Wire config. only)
3	Standard Female Jack	(2 & 3 Wire config. only)
4	Mini Male Plug	(2 & 3 Wire config. only)
5	Mini Female Jack	(2 & 3 Wire config. only)

4. Accessories

A	None
B	Bx Connector
C	Cable Clamp

5. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

6. RTD Element Type

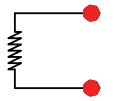
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

7. RTD Wire Connection

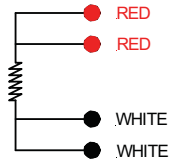
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration

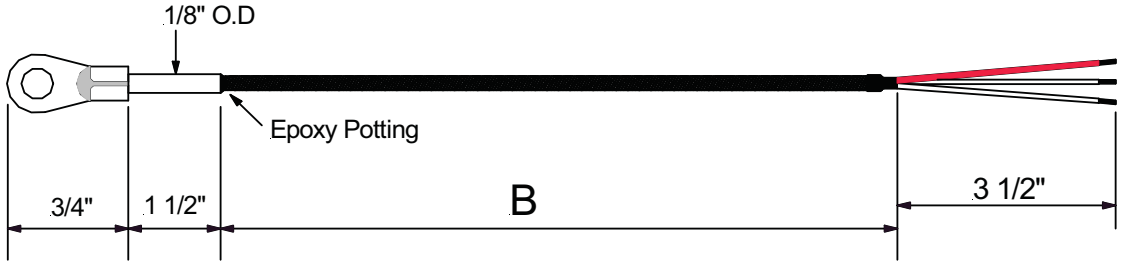


Plastic Industry RTD's

Ring Terminal Style RTD.

Model Code: 1E

Operating Temperature: -200 C to +250 C



Model: 1E [1.] [2.] [3.] [4.] [5.] - [6.] [7.]

1. Ring Terminal Hole Size

1	No. 8 Screw
2	No. 10 Screw
3	1/4" Hole
4	1/2" Hole

2. Wire Description

S	26 Gage, Stranded, Stainless Steel Braid
T	26 Gage, Stranded, Teflon
X	0.210 O.D., Flexible Armor, Teflon Wire
F	26 Gage, Stranded, Fiberglass Cable
C	0.210 O.D., Flexible Armor, Fiberglass Wire

3. Termination Type

0	3" Split Leads & 1/2" Bare Ends.	
1	3" Slip Leads & Spade Lugs	
2	Standard Male Plug	(2 & 3 Wire config. only)
3	Standard Female Jack	(2 & 3 Wire config. only)
4	Mini Male Plug	(2 & 3 Wire config. only)
5	Mini Female Jack	(2 & 3 Wire config. only)

4. Accessories

A	None
B	Bx Connector
C	Cable Clamp

5. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

6. RTD Element Type

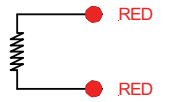
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

7. RTD Wire Connection

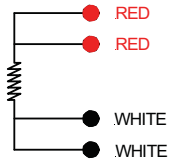
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration

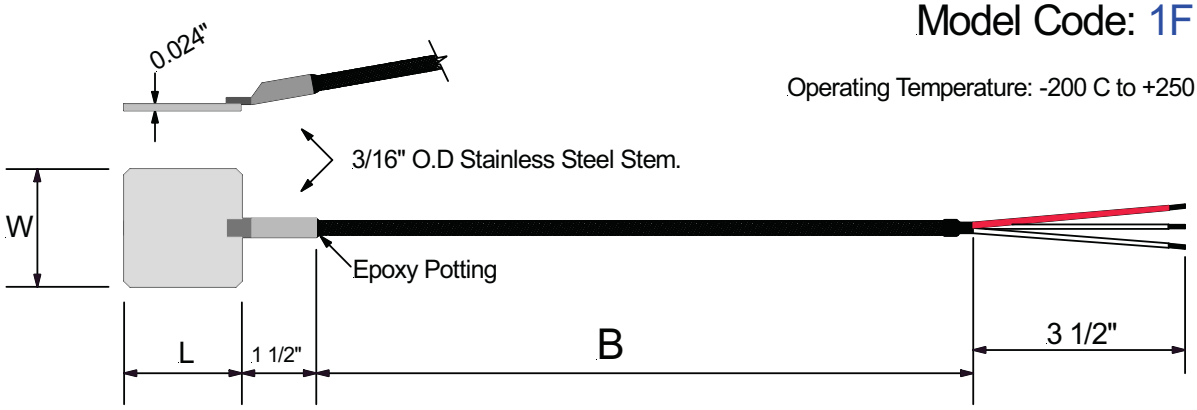


Plastic Industry RTD's

Shim Stock Style RTD. Stainless Steel Shim

Model Code: 1F

Operating Temperature: -200 C to +250 C



Model: 1F [1.] [2.] [3.] [4.] [5.] - [6.] [7.]

1. Shim Size: Width x Length

1	1/2" x 1/2"
2	3/4" x 3/4"
3	3/4" x 7/8"
4	1" x 1"

2. Wire Description

S	26 Gage, Stranded, Stainless Steel Braid
T	26 Gage, Stranded, Teflon
X	0.210 O.D., Flexible Armor, Teflon Wire
F	26 Gage, Stranded, Fiberglass Cable
C	0.210 O.D., Flexible Armor, Fiberglass Wire

3. Termination Type

0	3" Split Leads & 1/2" Bare Ends.	
1	3" Slip Leads & Spade Lugs	
2	Standard Male Plug	(2 & 3 Wire config. only)
3	Standard Female Jack	(2 & 3 Wire config. only)
4	Mini Male Plug	(2 & 3 Wire config. only)
5	Mini Female Jack	(2 & 3 Wire config. only)

4. Accessories

A	None
B	Bx Connector
C	Cable Clamp

5. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

6. RTD Element Type

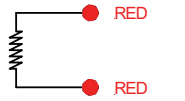
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

7. RTD Wire Connection

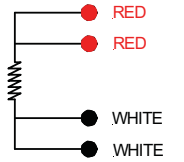
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration

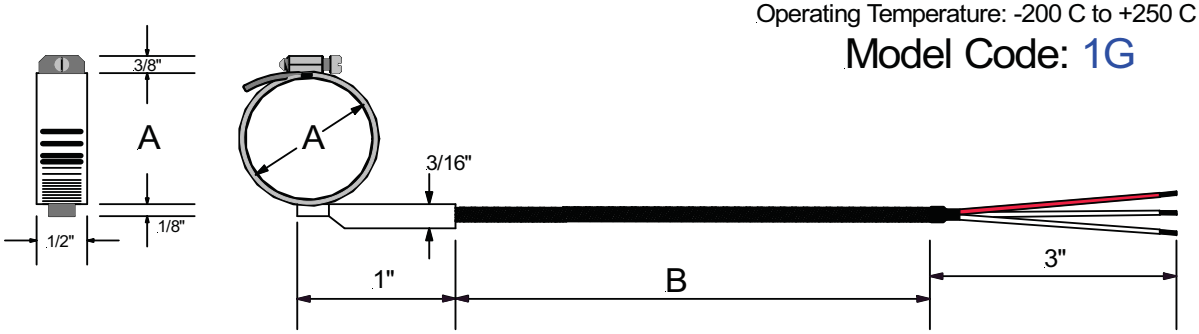


Plastic Industry RTDs

Pipe Clamp Style RTD

Operating Temperature: -200 C to +250 C

Model Code: 1G



Model: 1G [1.] [2.] [3.] [4.] [5.] - [6.] [7.]

1. Pipe Clamp Description

A = Diameter Range

	Minimum	Maximum
1	1 1/16"	2"
2	1 13/16"	2 3/4"
3	2 9/16"	3 1/2"
4	3"	5"
5	5"	7"

2. Wire Description

S	26 Gage, Stranded, Stainless Steel Braid
T	26 Gage, Stranded, Teflon
X	0.210 O.D., Flexible Armor, Teflon Wire
F	26 Gage, Stranded, Fiberglass Cable
C	0.210 O.D., Flexible Armor, Fiberglass Wire

3. Termination Type

0	3" Split Leads & 1/2" Bare Ends.	
1	3" Slip Leads & Spade Lugs	
2	Standard Male Plug	(2 & 3 Wire config. only)
3	Standard Female Jack	(2 & 3 Wire config. only)
4	Mini Male Plug	(2 & 3 Wire config. only)
5	Mini Female Jack	(2 & 3 Wire config. only)

4. Accessories

A	None
B	Bx Connector
C	Cable Clamp

5. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

6. RTD Element Type

Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

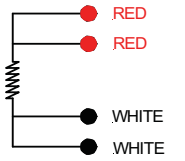
7. RTD Wire Connection

A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration

3 Wire Configuration

4 Wire Configuration

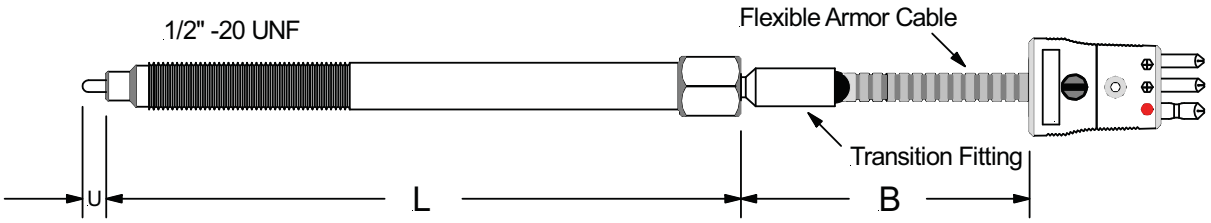


Plastic Industry RTD's

Melt Bolt RTD. Mineral Insulated

Model Code: 1K

Operating Temperature: -200 C to +500 C



Mineral insulated 316SS sensor tip.

Model 1K [A] [B] [C] – [D] [E] – [F] [G]

A	Melt Bolt Length " L "
1	3"
2	4"
3	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.188"
B	0.250"

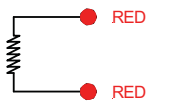
C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

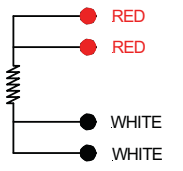
E	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



F	"B" Dimension
Specify " B " Length In Inches	0 0 4

Example "B" is 4" = 004

G	Termination Type
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

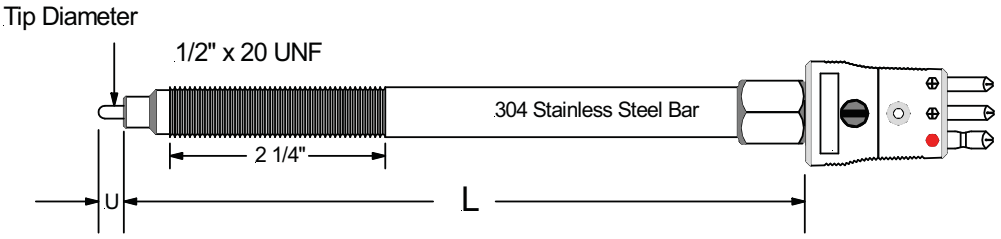
Connectors can only be installed on 2 & 3 wire configuration RTDs.

Plastic Industry RTD's

Rigid Melt Bolt RTD. Mineral Insulated

Model Code: 2K

Operating Temperature: -200 C to +500 C



Mineral insulated 316SS sensor tip.

Model **2K** — A B C — D E — F

A	Melt Bolt Length " L "
1	3"
2	4"
3	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.188"
B	0.250"

C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

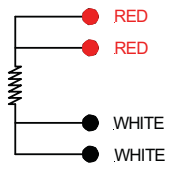
Temperature Coefficient: 0.00385
Platinum element
IEC 751

E	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration

3 Wire Configuration

4 Wire Configuration



F	Termination Type
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

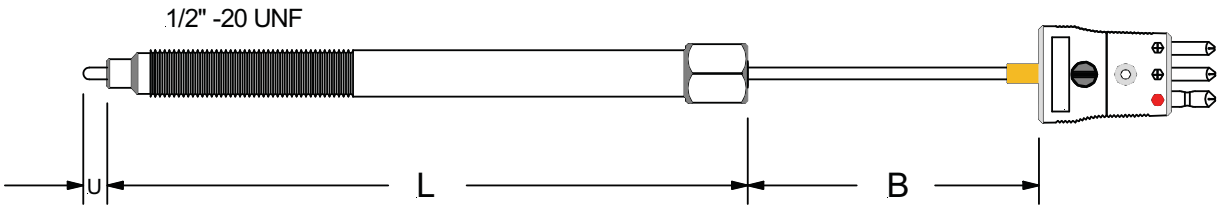
Connectors can only be installed on 2 & 3 wire configuration RTDs.

Plastic Industry RTD's

Fixed Melt Bolt RTD. Mineral Insulated

Model Code: 3K

Operating Temperature: -200 C to +500 C



Mineral insulated 316SS sensor tip.

Model 3K [A] [B] [C] – [D] [E] – [F] [G]

A	Melt Bolt Length " L "
1	3"
2	4"
3	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.188"
B	0.250"

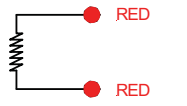
C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

D	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

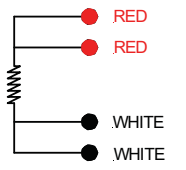
E	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



F	"B" Dimension
Specify " B " Length In Inches	0 4

Example "B" is 4" = 04

G	Termination Type
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

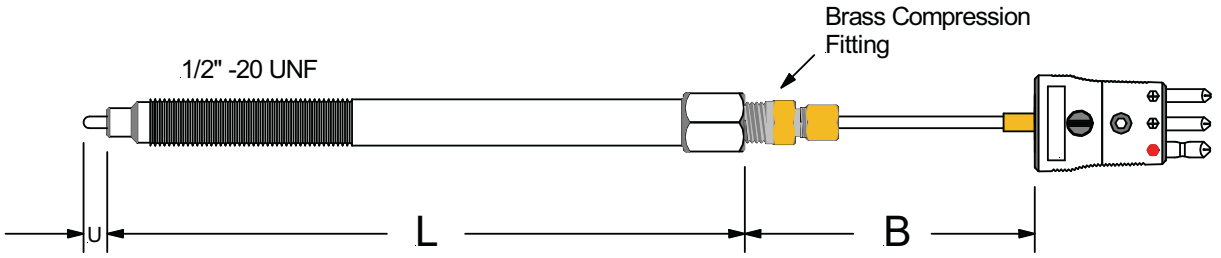
Connectors can only be installed on 2 & 3 wire configuration RTDs.

Plastic Industry RTD's

Adjustable Melt Bolt RTD.

Model Code: 4K

Operating Temperature: -200 C to +500 C



Mineral insulated 316SS tip.

Model 4K [A] [B] [C] – [D] [E] – [F] [G]

A	Melt Bolt Length " L "
1	3"
2	4"
3	6"

B	"U" Tip Diameter
F	Flush Tip
A	0.188"
B	0.250"

C	Insertion Depth " U "
1	Flush
2	0.125"
3	0.250"
4	0.500"
5	0.750"
6	1"

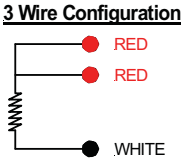
D	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

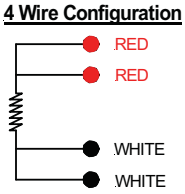
E	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration

3 Wire Configuration



4 Wire Configuration



F	"B" Dimension
Specify " B " Length In Inches	0 4

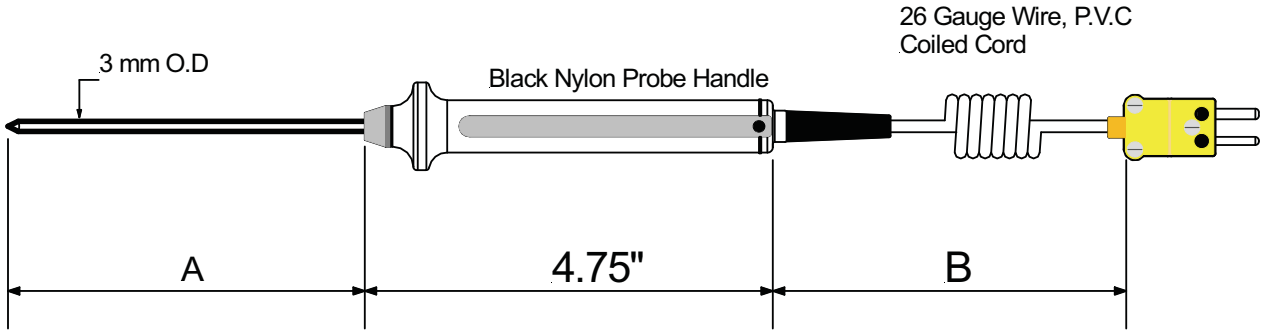
Example "B" is 4" = 04

G	Termination Type
A	3" Split Leads & 1/2" Bare Ends.
B	3" Slip Leads & Spade Lugs
C	Standard Male Plug
D	Standard Female Jack
E	Mini Male Plug
F	Mini Female Jack

Connectors can only be installed on 2 & 3 wire configuration RTDs.

Process Industry Thermocouples

Mineral Insulated Thermocouple With Plastic Handle



Maximum operating temperature 900 F or 500 C.

Steps To Follow: (1.) (2.) (3.) (4.) (5.) (6.)

Model: **L1** [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

1. Probe Tip Option

R	Radius Tip Style
D	Drill Tip Style

2. Termination Type

1	3" Split Leads & 1/2" Bare Ends.
2	Mini Male Plug

3. "A" Dimension

"A"= 0 4 "

Length In Inches

4. Coiled Cord "B" Dimension

	Retracted Length	Extended Length
A	12"	48" to 60"
B	24"	120"
C	32"	180"
D	60"	30 ft
E	96"	45 ft

5. Calibration

1	J	(+) Iron Vs. (-) Constantan
2	K	(+) Ni.-Chromium Vs. (-) Ni.-Aluminum
3	T	(+) CU. Copper Vs. (-) Cu.-Ni. Nickel

For all other calibrations contact factory for availability.

6. Junction

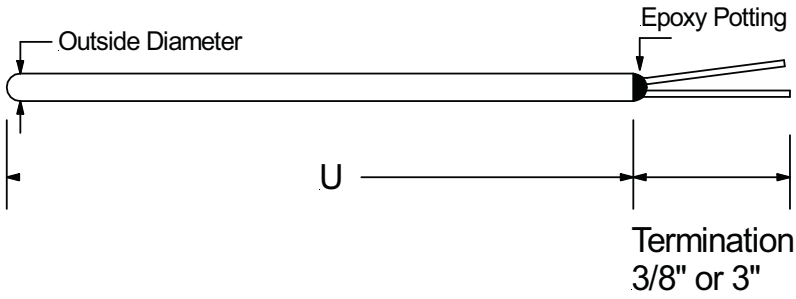
G	Grounded
U	Ungrounded

Mineral Insulated Thermocouple

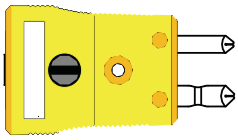
Straight Thermocouple Elements

Operating Temperature:
-200 C to +1000 C Max.

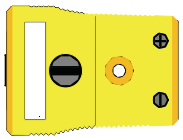
Model Code: M1



Optional Male Connector



Optional Female Connector



Model: **M1** — A B C D — E F — G

A	Outside Diameter
1	0.020"
2	0.040"
3	0.063"
4	0.125"
5	0.188"
6	0.250"
7	0.315"
8	0.375"

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C	"U" Dimension

Specify " U " Length In Inches 0 0 6

Example "U" is 6" = 006

D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
J	None

E	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

F	Junction Styles				
Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M
Triplex	T	Q	R	S	V

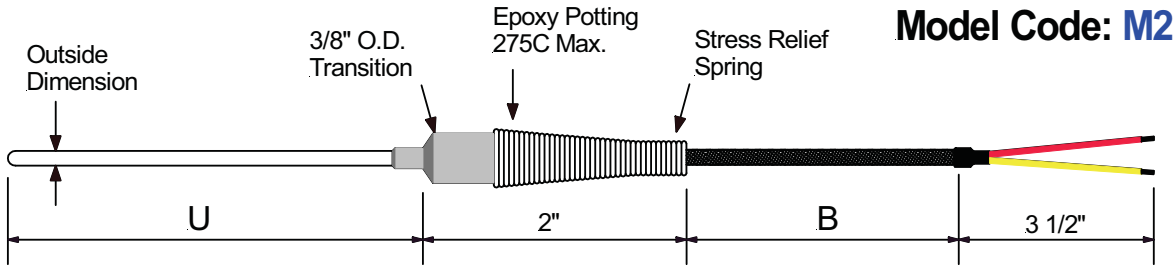
G	Termination
1	3/8" Split bare leads.
2	3" Split & Color Coded leads.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

General Purpose Thermocouple

Operating Temperature:
-200 C to +1000 C Max.

Model Code: M2



Compression fittings are sold seperatly. See accessory section.

Model: A B C D E F — G H I

M2

A	Outside Diameter
1	0.020"
2	0.040"
3	0.063"
4	0.125"
5	0.188"
6	0.250"
7	0.315"
8	0.375"

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

E	Calibration		
Standard Limits of Error		Special Limits of Error	
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

F	Junction Styles				
Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M

G	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 48" = 048

H	Cable Insulation Description
A	20 Gage, Stranded, Metal Braid
B	20 Gage, Stranded, Fiberglass
C	.281" O.D. Flexible Armor Cable
D	20 Gage, Stranded, Teflon
E	20 Gage, Stranded, PVC
F	.210" O.D. Flexible Armor Cable

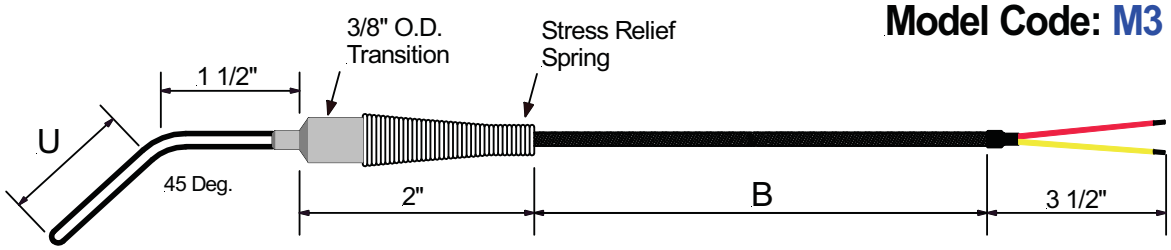
I	Termination
1	3" Split Leads & 1/2" bare ends.
2	3" Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

General Purpose Thermocouple: 45 Deg. Bend

Operating Temperature:
-200 C to +1000 C Max.

Model Code: M3



Compression fittings are sold seperatly. See accessory section.

Model: **M3** [A] [B] [C] [D] [E] [F] — [G] [H] [I]

A	Outside Diameter
1	0.020"
2	0.040"
3	0.063"
4	0.125"
5	0.188"
6	0.250"
7	0.315"
8	0.375"

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

E	Calibration		
Standard Limits of Error		Special Limits of Error	
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

F	Junction Styles				
Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M

G	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 48" = 048

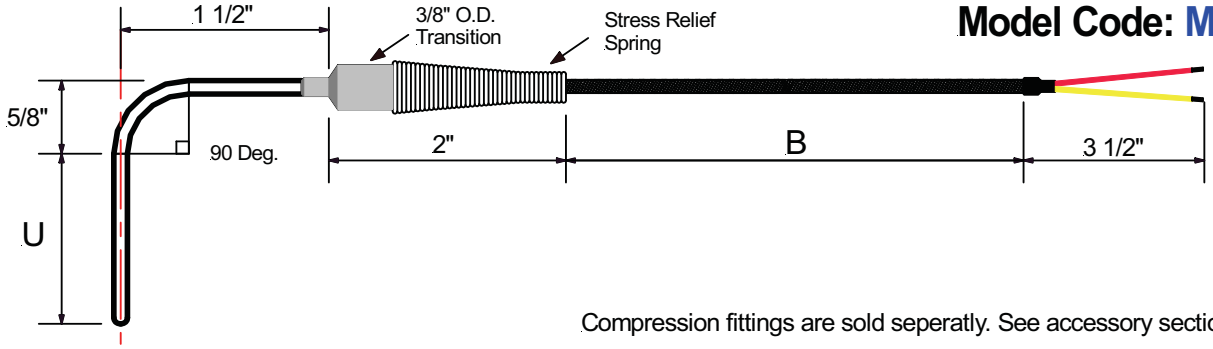
H	Cable Insulation Description
A	20 Gage, Stranded, Metal Braid
B	20 Gage, Stranded, Fiberglass
C	.281" O.D. Flexible Armor Cable
D	20 Gage, Stranded, Teflon
E	20 Gage, Stranded, PVC
F	.210" O.D. Flexible Armor Cable

I	Termination
1	3" Split Leads & 1/2" bare ends.
2	3" Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

General Purpose Thermocouple: 90 Deg. Bend

Operating Temperature:
-200 C to +1000 C Max.



Model Code: M4

Compression fittings are sold seperatly. See accessory section.

Model: **M4** [A] [B] [C] [D] [E] [F] — [G] [H] [I]

A	Outside Diameter
1	0.020"
2	0.040"
3	0.063"
4	0.125"
5	0.188"
6	0.250"
7	0.315"
8	0.375"

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

E	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

F	Junction Styles				
Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M

G	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 48" = 048

H	Cable Insulation Description
A	20 Gage, Stranded, Metal Braid
B	20 Gage, Stranded, Fiberglass
C	.281" O.D. Flexible Armor Cable
D	20 Gage, Stranded, Teflon
E	20 Gage, Stranded, PVC
F	.210" O.D. Flexible Armor Cable

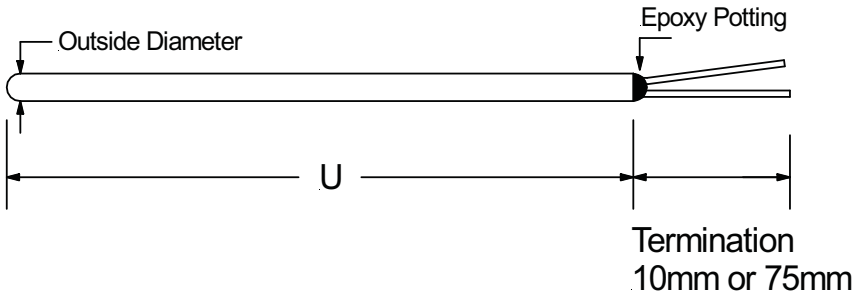
I	Termination
1	3" Split Leads & 1/2" bare ends.
2	3" Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

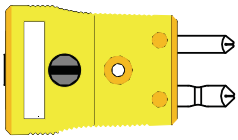
Metric Straight Thermocouple Elements

Operating Temperature:
-200 C to +1000 C Max.

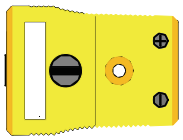
Model Code: M5



Optional Male Connector



Optional Female Connector



Model: **M5** — A B C — D E — F

A	Outside Diameter
1	0.5mm
2	1mm
3	1.5mm
4	2mm
5	3mm
6	4mm
7	5mm
8	6mm
9	8mm

C	"U" Dimension
Specify " U " Length In MM	1 5 0

Example "U" is 150mm= 150

E	Junction Styles				
Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

D	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

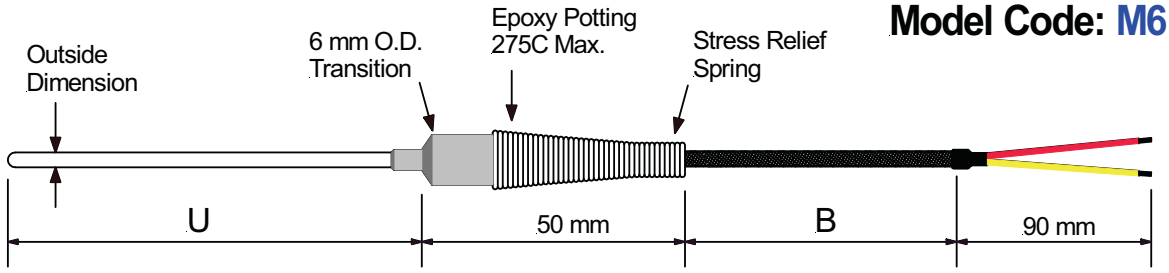
F	Termination
1	10mm Split bare leads.
2	75mm Split & Color Coded leads.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

Metric General Purpose Thermocouple

Operating Temperature:
-200 C to +1000 C Max.

Model Code: M6



Compression fittings are sold seperatly. See accessory section.

Model: **M6** [A] [B] [C] — [D] [E] — [F] [G] [H]

A	Outside Diameter
1	0.5 mm
2	1 mm
3	1.5 mm
4	2 mm
5	3 mm
6	4 mm
7	6 mm
8	8 mm

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C	"U" Dimension
Specify " U " Length In mm	1 0 0

Example "U" is 100 mm = 100

D	Calibration			
Standard Limits of Error		Special Limits of Error	
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Junction Styles					
Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M

F	"B" Dimension
Specify " B " Length In Meters	0 2

Example "B" is 2 Meters = 02

G	Cable Insulation Description
A	20 Gage, Stranded, Metal Braid
B	20 Gage, Stranded, Fiberglass
C	.281" O.D. Flexible Armor Cable
D	20 Gage, Stranded, Teflon
E	20 Gage, Stranded, PVC
F	.210" O.D. Flexible Armor Cable

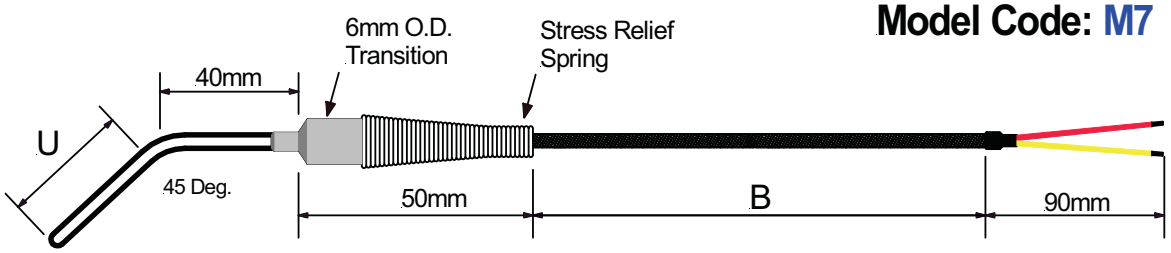
H	Termination
1	75 mm Split Leads & 15 mm bare ends.
2	75 mm Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

Metric General Purpose Thermocouple: 45 Deg. Bend

Operating Temperature:
-200 C to +1000 C Max.

Model Code: M7



Compression fittings are sold seperatly. See accessory section.

Model: **M7** [A] [B] [C] — [D] [E] — [F] [G] [H]

A	Outside Diameter
1	0.5 mm
2	1 mm
3	1.5 mm
4	2 mm
5	3 mm
6	4 mm
7	6 mm
8	8 mm

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C "U" Dimension

Specify " U " Length
In mm 1 0 0

Example "U" is 100 mm = 100

D	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Junction Styles				
Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M

F "B" Dimension

Specify " B " Length
In Meters 0 2

Example "B" is 2 Meters = 02

G	Cable Insulation Description
A	20 Gage, Stranded, Metal Braid
B	20 Gage, Stranded, Fiberglass
C	.281" O.D. Flexible Armor Cable
D	20 Gage, Stranded, Teflon
E	20 Gage, Stranded, PVC
F	.210" O.D. Flexible Armor Cable

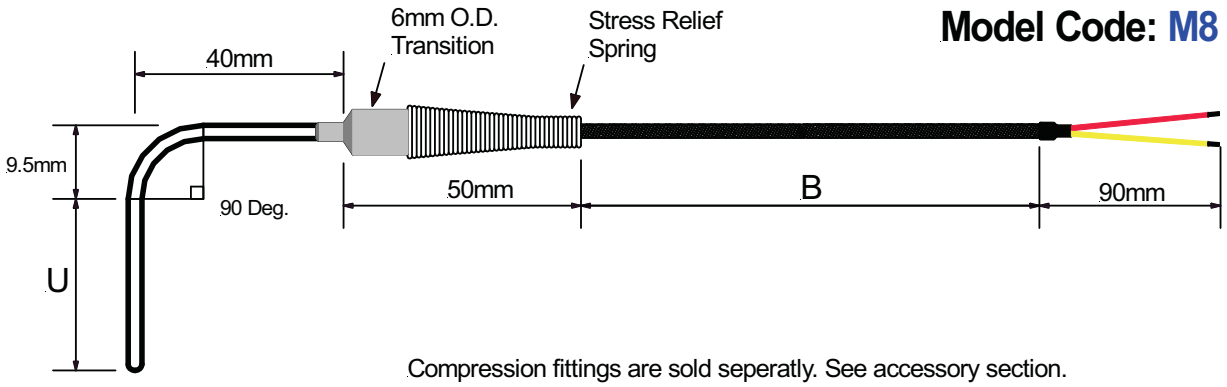
H	Termination
1	75 mm Split Leads & 15 mm bare ends.
2	75 mm Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

Metric General Purpose Thermocouple: 90 Deg. Bend

Operating Temperature:
-200 C to +1000 C Max.

Model Code: M8



Compression fittings are sold seperatly. See accessory section.

Model: **M8** | A | B | C | — | D | E | — | F | G | H

A	Outside Diameter
1	0.5 mm
2	1 mm
3	1.5 mm
4	2 mm
5	3 mm
6	4 mm
7	6 mm
8	8 mm

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C	"U" Dimension
Specify " U " Length In mm	1 0 0

Example "U" is 100 mm = 100

D	Calibration			
	Standard Limits of Error		Special Limits of Error	
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Junction Styles				
Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M

F	"B" Dimension
Specify " B " Length In Meters	0 2

Example "B" is 2 Meters = 02

G	Cable Insulation Description
A	20 Gage, Stranded, Metal Braid
B	20 Gage, Stranded, Fiberglass
C	.281" O.D. Flexible Armor Cable
D	20 Gage, Stranded, Teflon
E	20 Gage, Stranded, PVC
F	.210" O.D. Flexible Armor Cable

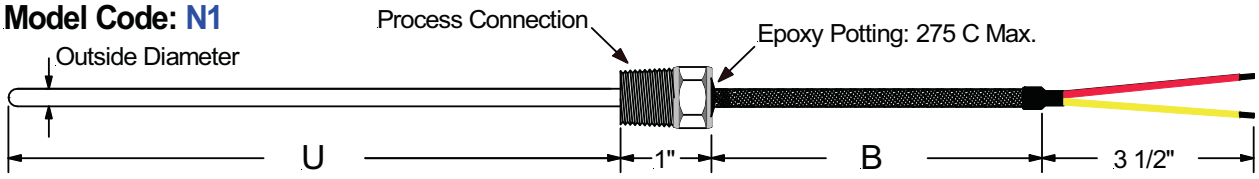
H	Termination
1	.75 mm Split Leads & 15 mm bare ends.
2	.75 mm Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

Mineral Insulated Thermocouple

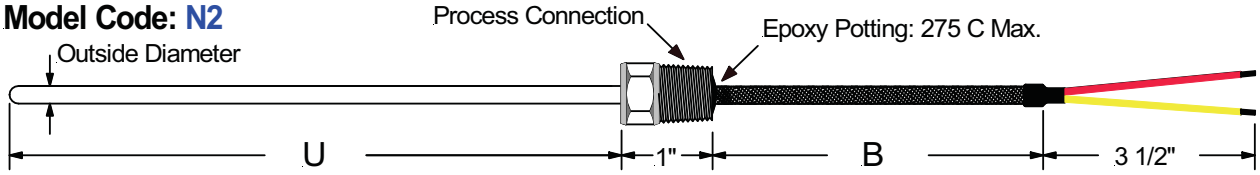
Hex Bushing Style Thermocouple

Operating Temperature:
-200 C to +1000 C Max.

Model Code: N1



Model Code: N2



Model: N1 / N2

A	B	C	D	E	F	G	H	I	J
___	___	___ ___ ___	___	___	___	___	___ ___ ___	___	___

A — Outside Diameter

1	0.063"
2	0.125"
3	0.188"
4	0.250"
5	0.315"
6	0.375"
7	0.500"

B — Sheath Material

A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C — "U" Dimension

Specify " U " Length
In Inches 0 0 6

Example "U" is 6" = 006

D — "U" Fractional Dimension

A	0.125"
B	0.250"
C	0.375"
D	0.500"
E	0.750"
F	None

E — Process Connection

1	1/4" NPT
2	1/2" NPT
3	3/4" NPT

F — Calibration

Standard Limits of Error		Special Limits of Error	
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

G — Junction Styles

Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M
Triplex	T	Q	R	S	V

H — "B" Dimension

Specify " B " Length
In Inches 0 4 8

Example "B" is 48" = 048

I — Cable Insulation Description

A	20 Gage, Stranded, Metal Braid
B	20 Gage, Stranded, Fiberglass
C	.281" O.D. Flexible Armor Cable
D	20 Gage, Stranded, Teflon
E	20 Gage, Stranded, PVC
F	.210" O.D. Flexible Armor Cable

J — Termination

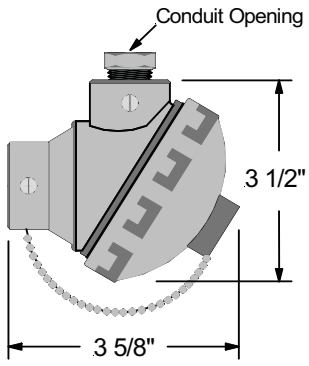
1	3" Split Leads & 1/2" bare ends.
2	3" Split Leads & Spade Lugs.
3	Standard Male Plug (425 F)
4	Standard Female Jack (425 F)
5	Mini Male Plug (425 F)
6	Mini Female Jack (425 F)
7	Hi Temp. Male Plug (800 F)
8	Hi Temp. Female Jack (800 F)

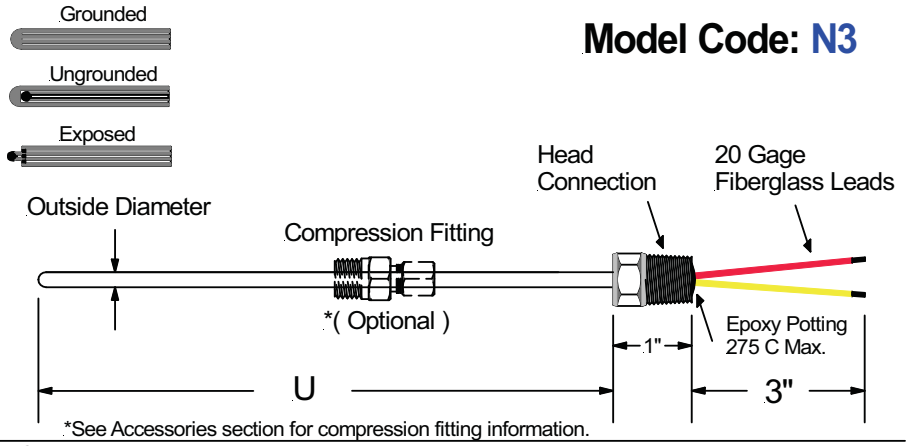
Mineral Insulated Thermocouple

Compression Fitting Mounting Style

Operating Temperature:
-200 C to +1000 C Max.

Connection Head





*See Accessories section for compression fitting information.

Model Code: N3

Model: **N3**

A	B	C	D	E	F	—	G	H	I	J
___	___	___ ___ ___	___	___	___		___	___	___	___

A	Outside Diameter
1	0.063"
2	0.125"
3	0.188"
4	0.250"
5	0.315"
6	0.375"
7	0.500"

B	Sheath Material
A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
J	None

E	Calibration			
	Standard limits of error		Special limits of error	
1	J	6	J	
2	K	7	K	
3	T	8	T	
4	E	9	E	
5	N	10	N	

F	Junction Styles					
Element Description	Grounded	Ungrounded		Exposed		
	Common	Common	Isolated	Common	Isolated	
Single	G		U		E	
Duplex	D	F	H	I	M	
Triplex	T	Q	R	S	V	

G	Head Connection
1	1/4" NPT
2	1/2" NPT
3	3/4" NPT

H	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

I	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

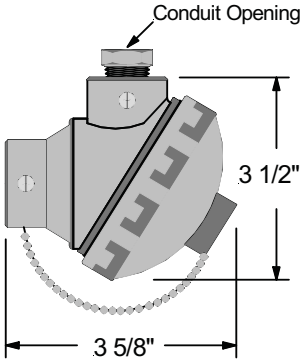
J	Connection Head Options
N	None
T	4-20mA Transmitter
X	No Terminal Block

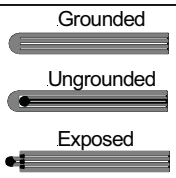
Mineral Insulated Thermocouple

Hex Nipple Style

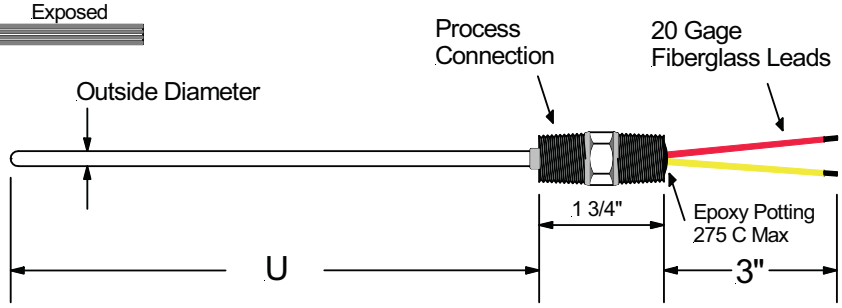
Operating Temperature:
-200 C to +1000 C Max.

Connection Head





Model Code: N4



Model: **N4** | A | B | C | D | E | F | — | G | H | I | J

A Outside Diameter

1	0.063"
2	0.125"
3	0.188"
4	0.250"
5	0.315"
6	0.375"
7	0.500"

B Sheath Material

A	304 Stainless
B	316 Stainless
C	310 Stainless
D	Inconel 600

C "U" Dimension

Specify " U " Length
In Inches 0 0 6

Example "U" is 6" = 006

D "U" Fractional Dimension

A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
J	None

E Calibration

Standard limits of error		Special limits of error	
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

F Junction Styles

Element Description	Grounded	Ungrounded		Exposed	
	Common	Common	Isolated	Common	Isolated
Single	G		U		E
Duplex	D	F	H	I	M
Triplex	T	Q	R	S	V

G Process Connection

1	1/4" NPT
2	1/2" NPT
3	3/4" NPT

H Connection Head Model

A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

I Conduit Opening

1	None
2	1/2" NPT
3	3/4" NPT

J Connection Head Options

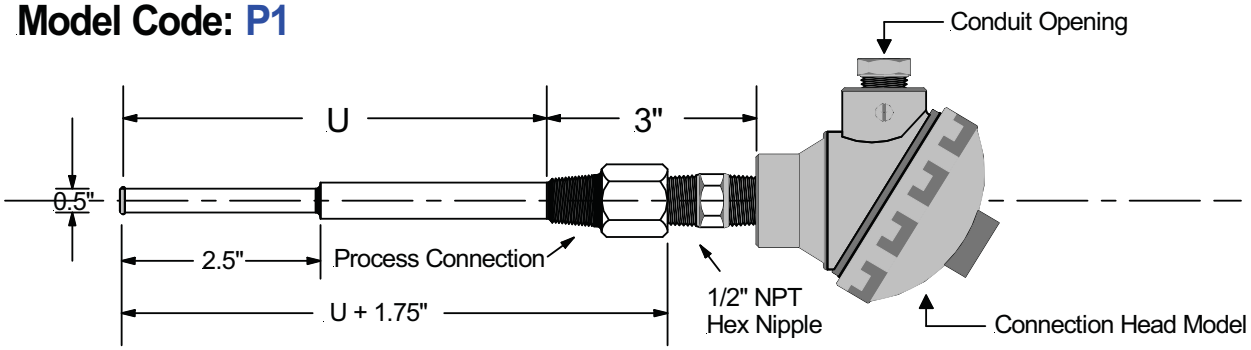
N	None
B	No Terminal Block
S	Spring Loaded
T	4-20mA Transmitter
R	Options S & T
Q	Options S & B

Mineral Insulated Thermocouple & Thermowell Assembly

Standard Stepped Threaded Thermowell

Operating Temperature:
-200 C to +1000 C Max.

Model Code: P1



All Thermowell Assemblies Are Spring Loaded.

Model: **P1** — A B — C D — E F G H

A "U" Fractional Dimension

A	1 5/8"
B	2 1/2"
C	4 1/2"
D	7 1/2"
E	10 1/2"
F	13 1/2"
G	16 1/2"
H	22 1/2"

For all other U lengths contact factory for availability.

B Sheath Material

1	304 Stainless
2	316 Stainless
3	Inconel 600
4	Carbon Steel
5	Solid Teflon

For all other materials contact factory for availability.

C Calibration

Standard Limits of Error		Special Limits of Error	
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

D Junction Styles

Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H
Triplex	T	Q	R

E Process Connection

1	1/2" NPT
2	3/4" NPT
3	1" NPT

F Connection Head Model

A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

G Conduit Opening

1	None
2	1/2" NPT
3	3/4" NPT

H Connection Head Options

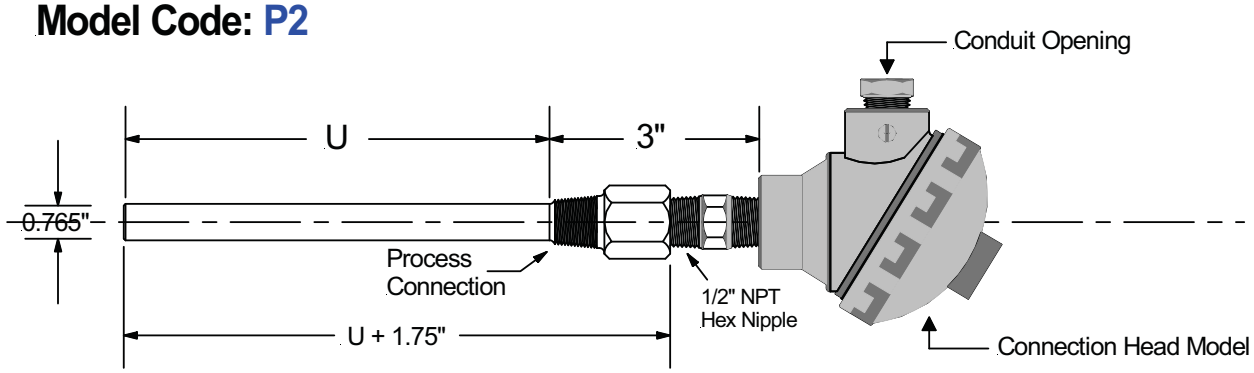
N	None
B	No Terminal Block
T	4-20mA Transmitter

Mineral Insulated Thermocouple & Thermowell Assembly

Standard Straight Threaded Thermowell

Operating Temperature:
-200 C to +1000 C Max.

Model Code: P2



All Thermowell Assemblies Are Spring Loaded.

Model: **P2** — A B — C D — E F G H

A	"U" Fractional Dimension
A	1 5/8"
B	2 1/2"
C	4 1/2"
D	7 1/2"
E	10 1/2"
F	13 1/2"
G	16 1/2"
H	22 1/2"

For all other U lengths contact factory for availability.

C	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

E	Process Connection
1	1/2" NPT
2	3/4" NPT
3	1" NPT

F	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

B	Sheath Material
1	304 Stainless
2	316 Stainless
3	Inconel 600
4	Carbon Steel
5	Solid Teflon

For all other materials contact factory for availability.

D	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H
Triplex	T	Q	R

G	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

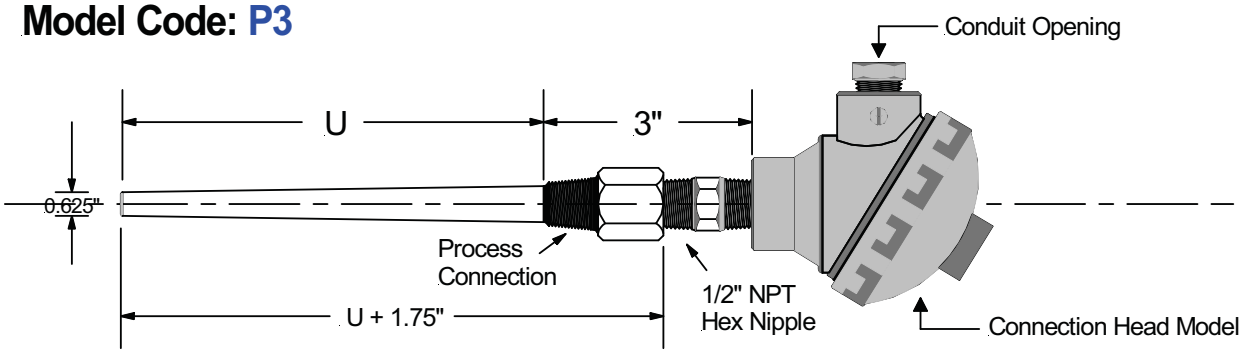
H	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

Mineral Insulated Thermocouple & Thermowell Assembly

Standard Tapered Threaded Thermowell

Operating Temperature:
-200 C to +1000 C Max.

Model Code: P3



All Thermowell Assemblies Are Spring Loaded.

Model: **P3** | A | B | — | C | D | — | E | F | G | H

A	"U" Fractional Dimension
A	1 5/8"
B	2 1/2"
C	4 1/2"
D	7 1/2"
E	10 1/2"
F	13 1/2"
G	16 1/2"
H	22 1/2"

For all other U lengths contact factory for availability.

B	Sheath Material
1	304 Stainless
2	316 Stainless
3	Inconel 600
4	Carbon Steel
5	Solid Teflon

For all other materials contact factory for availability.

C	Calibration		
	Standard Limits of Error		Special Limits of Error
1	J	6	J
2	K	7	K
3	T	8	T
4	E	9	E
5	N	10	N

D	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H
Triplex	T	Q	R

E	Process Connection
1	1/2" NPT
2	3/4" NPT
3	1" NPT

F	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

G	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

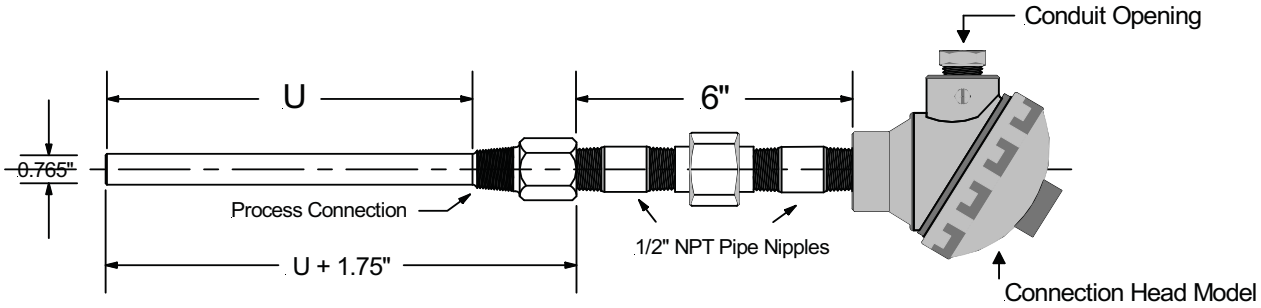
H	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

Mineral Insulated Thermocouple & Thermowell Assembly

Nipple-Union-Nipple-Thermowell Style

Operating Temperature:
-200 C to +1000 C Max.

Model Code: P4



All Thermowell Assemblies Are Spring Loaded.

Model: **P4** — A B C — D E — F G H I

A	Thermowell Type
1	Stepped
2	Straight
3	Tapered

B	"U" Fractional Dimension
A	1 5/8"
B	2 1/2"
C	4 1/2"
D	7 1/2"
E	10 1/2"
F	13 1/2"
G	16 1/2"
H	22 1/2"

For all other U lengths contact factory for availability.

C	Sheath Material
1	304 Stainless
2	316 Stainless
3	Inconel 600
4	Carbon Steel
5	Solid Teflon

For all other materials contact factory for availability.

D	Calibration			
	Standard Limits of Error		Special Limits of Error	
1	J	6	J	
2	K	7	K	
3	T	8	T	
4	E	9	E	
5	N	10	N	

E	Junction Styles			
Element Description	Grounded	Ungrounded		
	Common	Common	Isolated	
Single	G		U	
Duplex	D	F	H	
Triplex	T	Q	R	

F	Process Connection
1	1/2" NPT
2	3/4" NPT
3	1" NPT

G	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

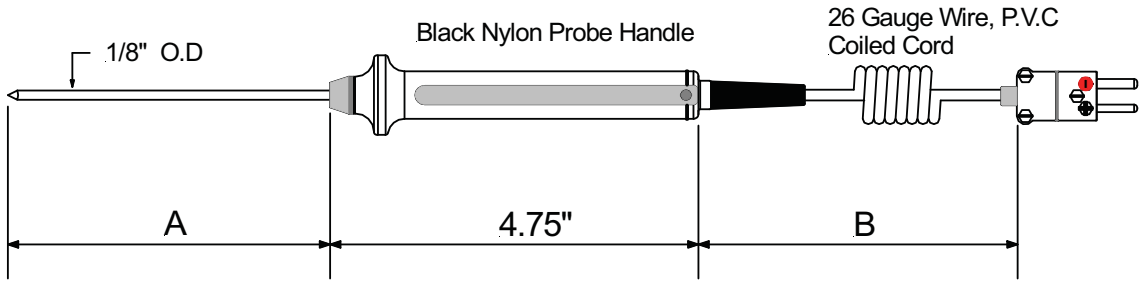
H	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

I	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

Process Industry RTD's

Hand Held RTD Probe

Low temperature application
-200 C To +100 C



Operating Temperature: -200 C to +250 C

Steps To Follow:

Model: 1L [1.] – [2.] – [3.] – [4.] – [5.] – [6.]

1. Probe Tip Option

R	Radius Tip Style
D	Drill Point Style

2. Termination Type

1	3" Split Leads & 1/2" Bare Ends.
2	Mini Male Plug (2 wire configuration only)

3. "A" Dimension

"A"= 0 4 "

Length In Inches

4. Coiled Cord "B" Dimension

	Retracted Length	Extended Length
A	12"	48" to 60"
B	24"	120"
C	32"	180"
D	60"	360"
E	96"	540"

5. RTD Element Type

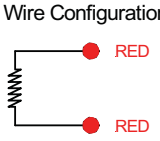
Ohms	Class A	Class B
1 x Pt100	2	1
2 x Pt100	4	3
1 x Pt1000	6	5
2 x Pt1000	8	7

Temperature Coefficient: 0.00385
Platinum element
IEC 751

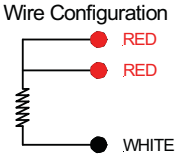
6. RTD Wire Connection

A	2 Wire Configuration
B	3 Wire Configuration

2 Wire Configuration



3 Wire Configuration



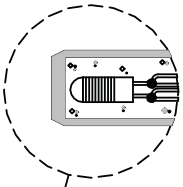
Mineral Insulated RTD

Straight RTD Elements

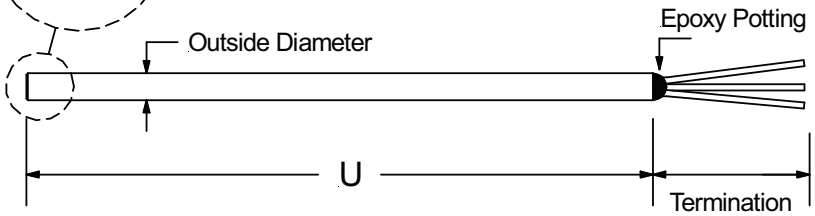
Operating Temperature:
-200 C to +500 C Max.

Ceramic RTD Element

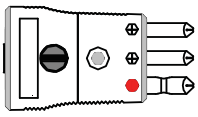
Model Code: 1M



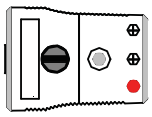
Flat Tip Construction
For Quicker Response



Optional Male Connector



Optional Female Connector



Model: 1M [A] [B] [C] [D] – [E] [F] — [G]

A	Outside Diameter
1	0.079"
2	0.125"
3	0.188"
4	0.250"

B	Sheath Material
A	304 Stainless
B	316 Stainless

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

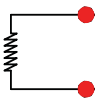
D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

E	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

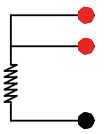
Temperature Coefficient: 0.00385
Platinum element
IEC 751

F	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

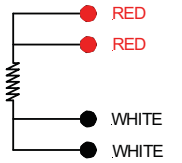
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



G	Termination Type
1	3/8" Split Bare Ends.
2	3" Split & Color Coded Leads.
3	Standard Male Plug
4	Standard Female Jack
5	Mini Male Plug
6	Mini Female Jack

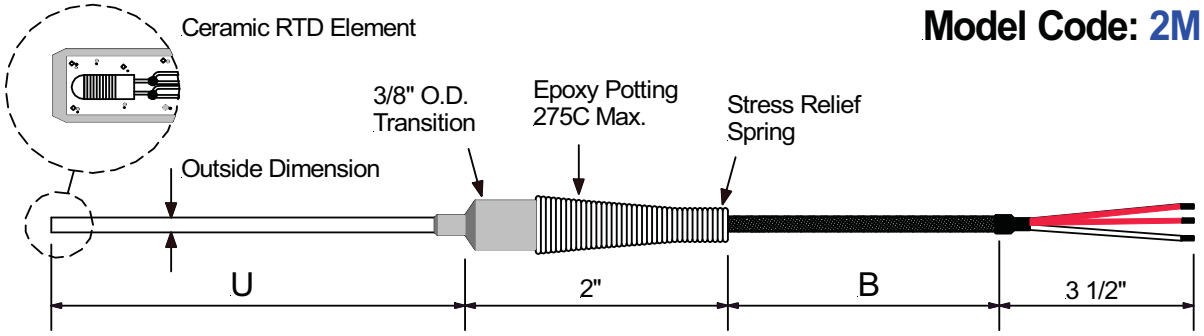
Connectors can only be installed
on 2 & 3 wire configuration RTDs.

Mineral Insulated RTD

General Purpose Type

Operating Temperature:
-200 C to +500 C Max.

Model Code: 2M



Model: **2M** [A] [B] [C] [D] – [E] [F] – [G] – [H] [I]

A	Outside Diameter
1	0.079"
2	0.125"
3	0.188"
4	0.250"

B	Sheath Material
A	304 Stainless
B	316 Stainless

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

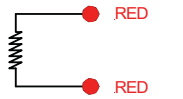
D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

E	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

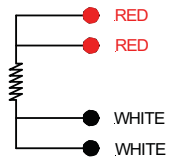
F	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



G	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 48" = 048

H	Cable Insulation Description
A	24 gage, Stranded, Fiberglass
B	24 gage, Fiberglass, Metal Braid
C	.281" O.D. Flexible Armor Cable
D	.210" O.D. Flexible Armor Cable
E	24 gage, Stranded, Teflon
F	24 gage, Stranded, Sheilded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Sheilded, PVC

I	Termination
1	3 1/2" Split leads & bare ends
2	3 1/2" Split leads & No.10 spade lugs
3	Standard Male Plug (350 F)
4	Standard Female Jack (350 F)
5	Mini Male Plug (350 F)
6	Mini Female Jack (350 F)

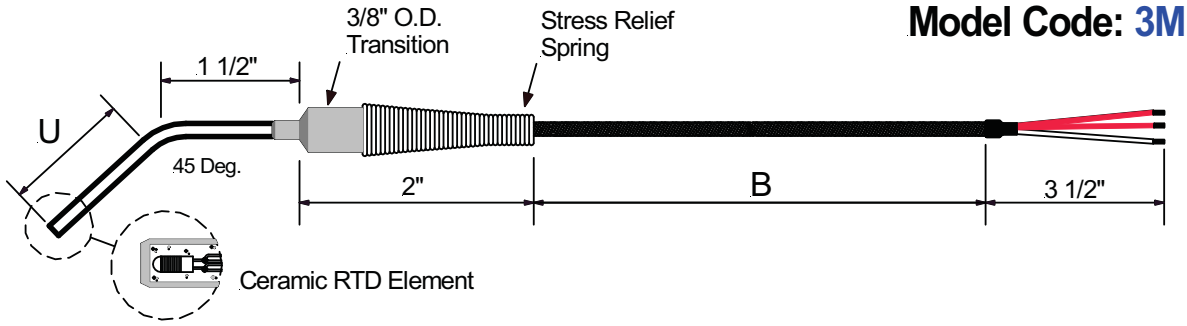
Connectors can only be installed on 2 & 3 wire configuration RTDs.

Mineral Insulated RTD

General Purpose Type: 45 Deg. Bend

Operating Temperature:
-200 C to +500 C Max.

Model Code: 3M



Model: **3M** [A] [B] [C] [D] – [E] [F] – [G] – [H] [I]

A	Outside Diameter
1	0.079"
2	0.125"
3	0.188"
4	0.250"

B	Sheath Material
A	304 Stainless
B	316 Stainless

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

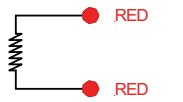
D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

E	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

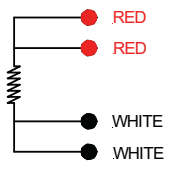
F	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



G	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 48" = 048

H	Cable Insulation Description
A	24 gage, Stranded, Fiberglass
B	24 gage, Fiberglass, Metal Braid
C	.281" O.D. Flexible Armor Cable
D	.210" O.D. Flexible Armor Cable
E	24 gage, Stranded, Teflon
F	24 gage, Stranded, Sheilded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Sheilded, PVC

I	Termination
1	3 1/2" Split leads & bare ends
2	3 1/2" Split leads & No.10 spade lugs
3	Standard Male Plug (350 F)
4	Standard Female Jack (350 F)
5	Mini Male Plug (350 F)
6	Mini Female Jack (350 F)

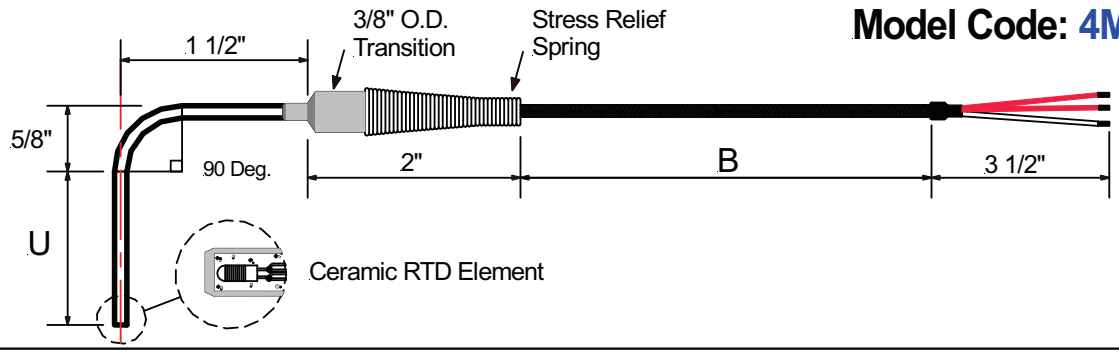
Connectors can only be installed on 2 & 3 wire configuration RTDs.

Mineral Insulated RTD

General Purpose Type: 90 Deg. Bend

Operating Temperature:
-200 C to +500 C Max.

Model Code: 4M



Model: **4M** [A] [B] [C] [D] – [E] [F] – [G] – [H] [I]

A	Outside Diameter
1	0.079"
2	0.125"
3	0.188"
4	0.250"

B	Sheath Material
A	304 Stainless
B	316 Stainless

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

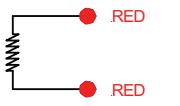
D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

E	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

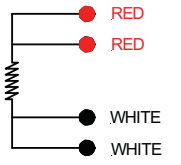
F	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



G	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 48" = 048

H	Cable Insulation Description
A	24 gage, Stranded, Fiberglass
B	24 gage, Fiberglass, Metal Braid
C	.281" O.D. Flexible Armor Cable
D	.210" O.D. Flexible Armor Cable
E	24 gage, Stranded, Teflon
F	24 gage, Stranded, Sheilded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Sheilded, PVC

I	Termination
1	3 1/2" Split leads & bare ends
2	3 1/2" Split leads & No.10 spade lugs
3	Standard Male Plug (350 F)
4	Standard Female Jack (350 F)
5	Mini Male Plug (350 F)
6	Mini Female Jack (350 F)

Connectors can only be installed on 2 & 3 wire configuration RTDs.

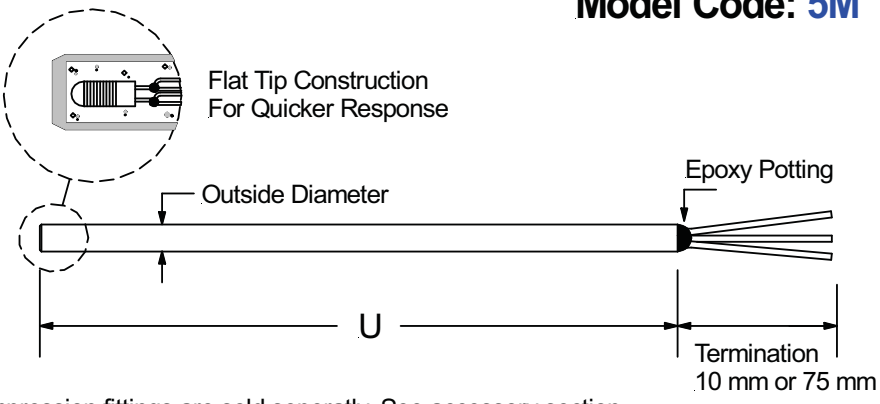
Mineral Insulated RTD

Metric Straight RTD Elements

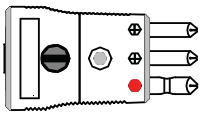
Operating Temperature:
-200 C to +500 C Max.

Ceramic RTD Element

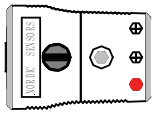
Model Code: 5M



Optional Male Connector



Optional Female Connector



Compression fittings are sold seperatly. See accessory section.

Model: **5M** [A] [B] [C] — [D] [E] — [F]

A	Outside Diameter
1	2 mm
2	3 mm
3	4 mm
4	6 mm

C	"U" Dimension
Specify " U " Length In mm	1 0 0

Example "U" is 100 mm = 100

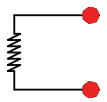
B	Sheath Material
A	304 Stainless
B	316 Stainless

D	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

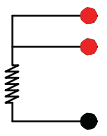
Temperature Coefficient: 0.00385
Platinum Element
IEC 751

E	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

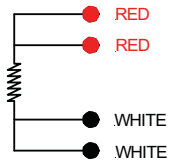
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



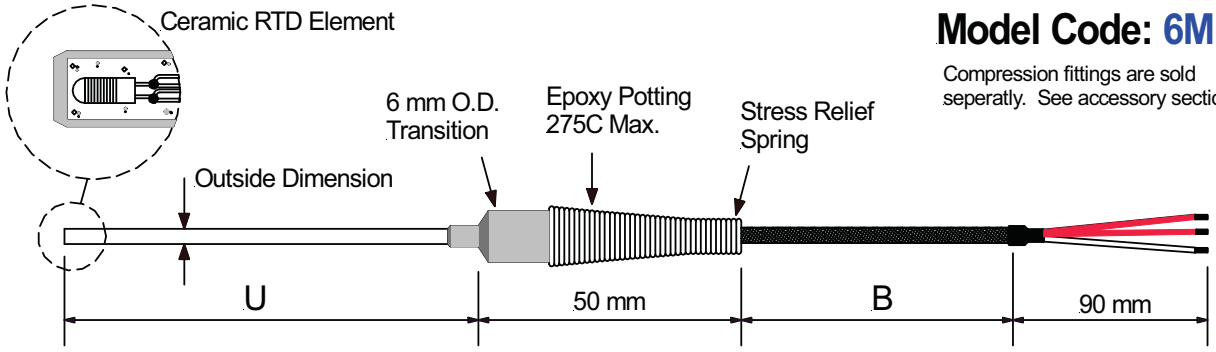
F	Termination Type
1	10 mm Split Bare Ends.
2	75 mm Split & Color Coded Leads.
3	Standard Male Plug
4	Standard Female Jack
5	Mini Male Plug
6	Mini Female Jack

Connectors can only be installed on 2 & 3 wire configuration RTDs.

Mineral Insulated RTD

Metric General Purpose Type

Operating Temperature:
-200 C to +500 C Max.



Model Code: 6M

Compression fittings are sold seperatly. See accessory section.

Model: **6M** [A] [B] [C] — [D] [E] - [F] - [G] [H]

A Outside Diameter

1	2 mm
2	3 mm
3	4 mm
4	6 mm

B Sheath Material

A	304 Stainless
B	316 Stainless

C "U" Dimension

Specify " U " Length
In mm 1 0 0

Example "U" is 100 mm = 100

D RTD Element Type

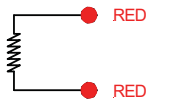
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

E RTD Wire Connection

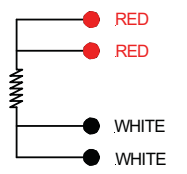
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



F "B" Dimension

Specify " B " Length
In Meters 0 2

Example "B" is 2 Meters = 02

G Cable Insulation Description

A	24 gage, Stranded, Fiberglass
B	24 gage, Fiberglass, Metal Braid
C	.281" O.D. Flexible Armor Cable
D	.210" O.D. Flexible Armor Cable
E	24 gage, Stranded, Teflon
F	24 gage, Stranded, Sheilded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Sheilded, PVC

H Termination

1	75 mm split leads & 15 mm bare ends
2	75 mm split leads & No.10 spade lugs
3	Standard Male Plug (350 F)
4	Standard Female Jack (350 F)
5	Mini Male Plug (350 F)
6	Mini Female Jack (350 F)

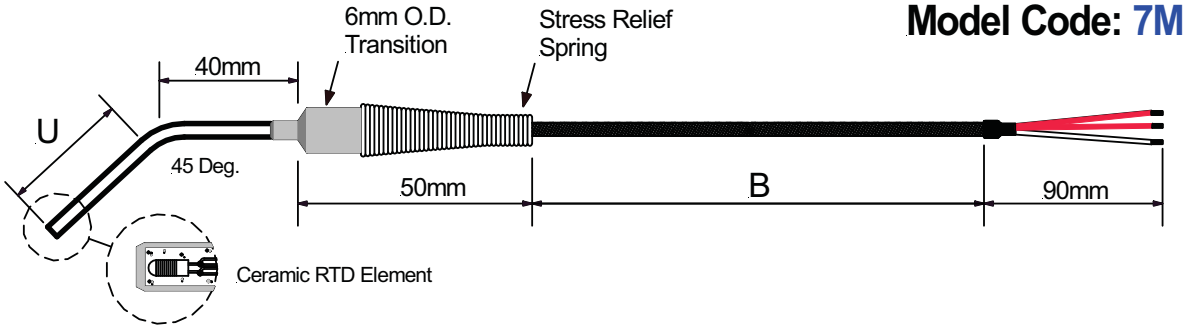
Connectors can only be installed on 2 & 3 wire configuration RTDs.

Mineral Insulated RTD

Metric General Purpose Type: 45 Deg. Bend

Operating Temperature:
-200 C to +500 C Max.

Model Code: 7M



Compression fittings are sold seperatly. See accessory section.

Model: **7M** [A] [B] [C] — [D] [E] – [F] – [G] [H]

A	Outside Diameter
1	2 mm
2	3 mm
3	4 mm
4	6 mm

B	Sheath Material
A	304 Stainless
B	316 Stainless

C	"U" Dimension
Specify " U " Length In mm	1 0 0

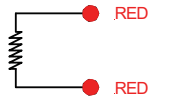
Example "U" is 100 mm = 100

D	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

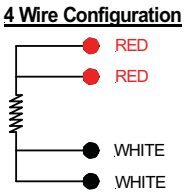
E	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



F	"B" Dimension
Specify " B " Length In Meters	0 2

Example "B" is 2 Meters = 02

G	Cable Insulation Description
A	24 gage, Stranded, Fiberglass
B	24 gage, Fiberglass, Metal Braid
C	.281" O.D. Flexible Armor Cable
D	.210" O.D. Flexible Armor Cable
E	24 gage, Stranded, Teflon
F	24 gage, Stranded, Sheilded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Sheilded, PVC

H	Termination
1	75 mm split leads & 15 mm bare ends
2	75 mm split leads & No.10 spade lugs
3	Standard Male Plug (350 F)
4	Standard Female Jack (350 F)
5	Mini Male Plug (350 F)
6	Mini Female Jack (350 F)

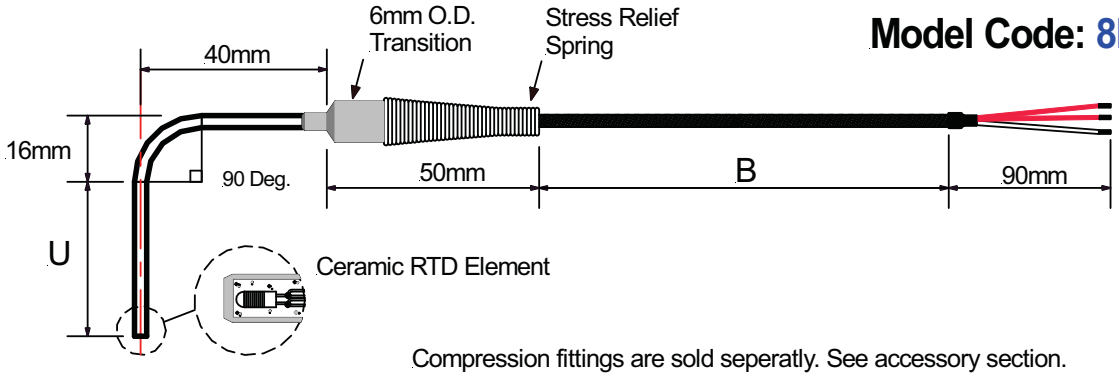
Connectors can only be installed
on 2 & 3 wire configuration RTDs.

Mineral Insulated RTD

Metric General Purpose Type: 90 Deg. Bend

Operating Temperature:
-200 C to +500 C Max.

Model Code: 8M



Compression fittings are sold seperatly. See accessory section.

Model: **8M** [A] [B] [C] — [D] [E] – [F] – [G] [H]

A	Outside Diameter
1	2 mm
2	3 mm
3	4 mm
4	6 mm

B	Sheath Material
A	304 Stainless
B	316 Stainless

C	"U" Dimension
Specify " U " Length In mm	1 0 0

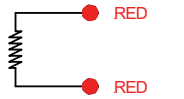
Example "U" is 100 mm = 100

D	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

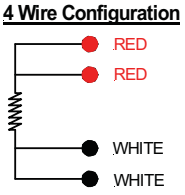
E	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



F	"B" Dimension
Specify " B " Length In Meters	0 2

Example "B" is 2 Meters = 02

G	Cable Insulation Description
A	24 gage, Stranded, Fiberglass
B	24 gage, Fiberglass, Metal Braid
C	.281" O.D. Flexible Armor Cable
D	.210" O.D. Flexible Armor Cable
E	24 gage, Stranded, Teflon
F	24 gage, Stranded, Sheilded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Sheilded, PVC

H	Termination
1	75 mm split leads & 15 mm bare ends
2	75 mm split leads & No.10 spade lugs
3	Standard Male Plug (350 F)
4	Standard Female Jack (350 F)
5	Mini Male Plug (350 F)
6	Mini Female Jack (350 F)

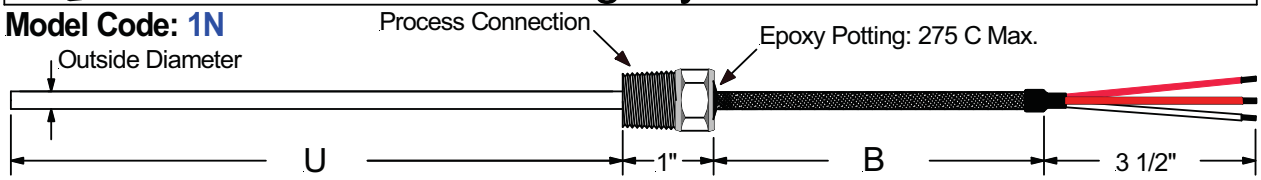
Connectors can only be installed
on 2 & 3 wire configuration RTDs.

Mineral Insulated RTD

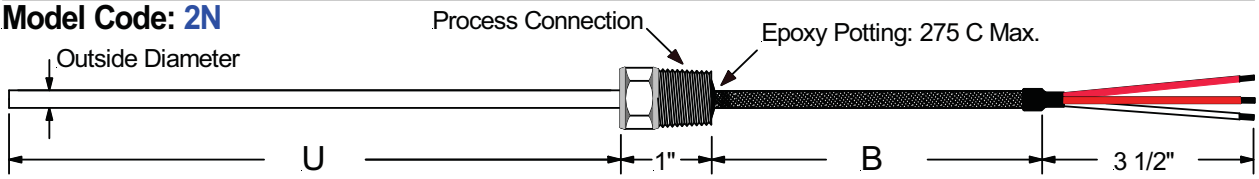
Hex Bushing Style RTD

Operating Temperature:
-200 C to +500 C Max.

Model Code: 1N



Model Code: 2N



Model: 1N / 2N — A B C D E F G — H I J

A	Outside Diameter
1	0.079"
2	0.125"
3	0.188"
4	0.250"

B	Sheath Material
A	304 Stainless
B	316 Stainless

C	"U" Dimension
Specify " U " Length In Inches	0 0 6

Example "U" is 6" = 006

D	"U" Fractional Dimension
A	0.125"
B	0.250"
C	0.375"
D	0.500"
E	0.750"
F	None

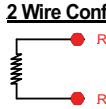
E	Process Connection
1	1/4" NPT
2	1/2" NPT
3	3/4" NPT

F	RTD Element Type		
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

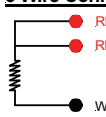
Temperature Coefficient: 0.00385
Platinum element
IEC 751

G	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

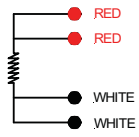
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



H	"B" Dimension
Specify " B " Length In Inches	0 4 8

Example "B" is 48" = 048

I	Cable Insulation Description
A	24 gage, Stranded, Fiberglass
B	24 gage, Fiberglass, Metal Braid
C	.281" O.D. Flexible Armor Cable
D	.210" O.D. Flexible Armor Cable
E	24 gage, Stranded, Teflon
F	24 gage, Stranded, Sheilded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Sheilded, PVC

J	Termination
1	3 1/2" Split leads & bare ends
2	3 1/2" Split leads & No.10 spade lugs
3	Standard Male Plug (350 F)
4	Standard Female Jack (350 F)
5	Mini Male Plug (350 F)
6	Mini Female Jack (350 F)

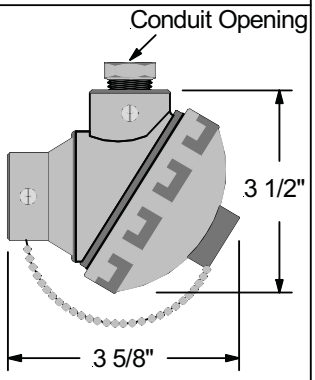
Connectors can only be installed on 2 & 3 wire configuration RTDs.

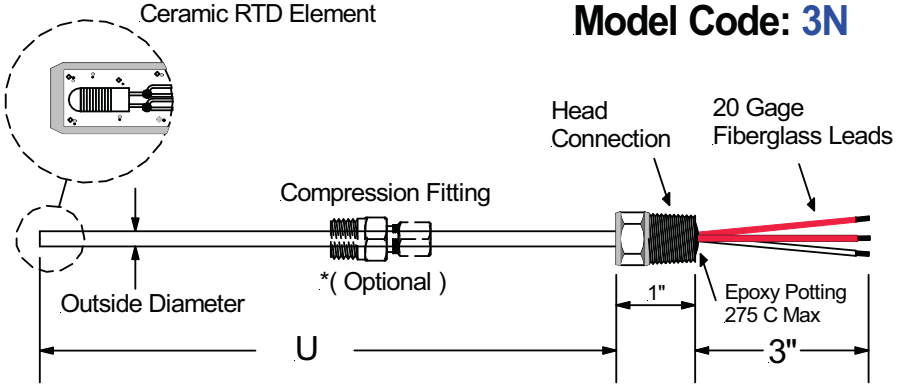
Mineral Insulated RTD Probe Assembly

Compression Fitting Mounting Style

Operating Temperature:
-200 C to +500 C Max.

Connection Head





Model Code: 3N

Compression fittings are sold seperatly. See accessory section.

Model: **3N** | A | B | C | D | – | E | F | – | G | H | I | J

A Outside Diameter

1	0.079"
2	0.125"
3	0.188"
4	0.250"

B Sheath Material

A	304 Stainless
B	316 Stainless

C "U" Dimension

Specify " U " Length
In Inches 0 0 6
Example "U" is 6" = 006

D "U" Fractional Dimension

A	0.125"
B	0.250"
C	0.375"
D	0.500"
E	0.625"
F	0.750"
G	None

E RTD Element Type

Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

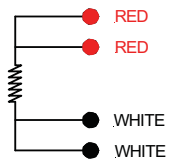
F RTD Wire Connection

A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration

3 Wire Configuration

4 Wire Configuration



G Head Connection

1	1/4" NPT
2	1/2" NPT
3	3/4" NPT

H Connection Head Model

A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel

I Conduit Opening

1	None
2	1/2" NPT
3	3/4" NPT

J Connection Head Options

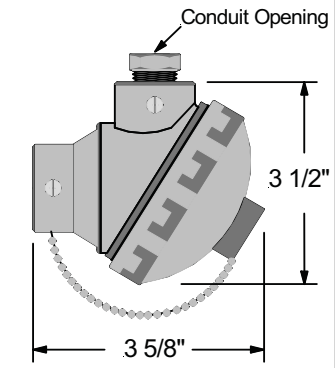
N	None
T	4-20mA Transmitter
X	No Terminal Block

Mineral Insulated RTD Probe Assembly

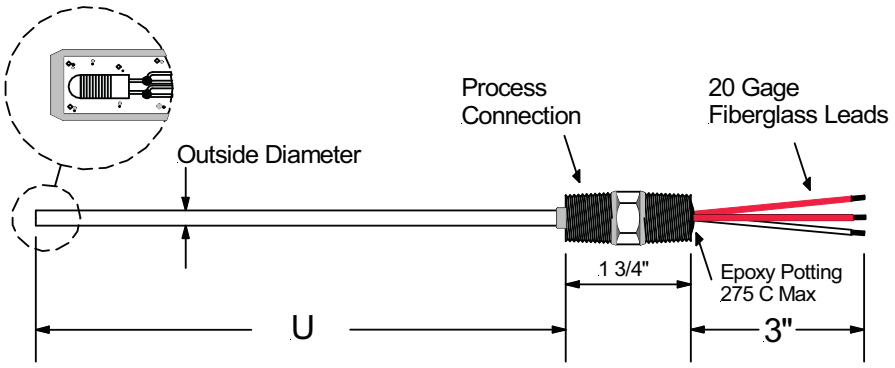
Hex Nipple Process Style

Operating Temperature:
-200 C to +500 C Max.

Connection Head



Ceramic RTD Element



Model Code: 4N

Model: **4N** | A | B | C | D | – | E | F | – | G | H | I | J |

A Outside Diameter

1	0.079"
2	0.125"
3	0.188"
4	0.250"

B Sheath Material

A	304 Stainless
B	316 Stainless

C "U" Dimension

Specify " U " Length
In Inches 0 0 6
Example "U" is 6" = 006

D "U" Fractional Dimension

A	0.125"
B	0.250"
C	0.375"
D	0.500"
E	0.625"
F	0.750"
G	None

E RTD Element Type

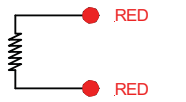
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

F RTD Wire Connection

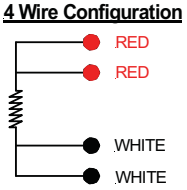
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



G Process Connection

1	1/4" NPT
2	1/2" NPT
3	3/4" NPT

H Connection Head Model

A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosition Proof

I Conduit Opening

1	None
2	1/2" NPT
3	3/4" NPT

J Connection Head Options

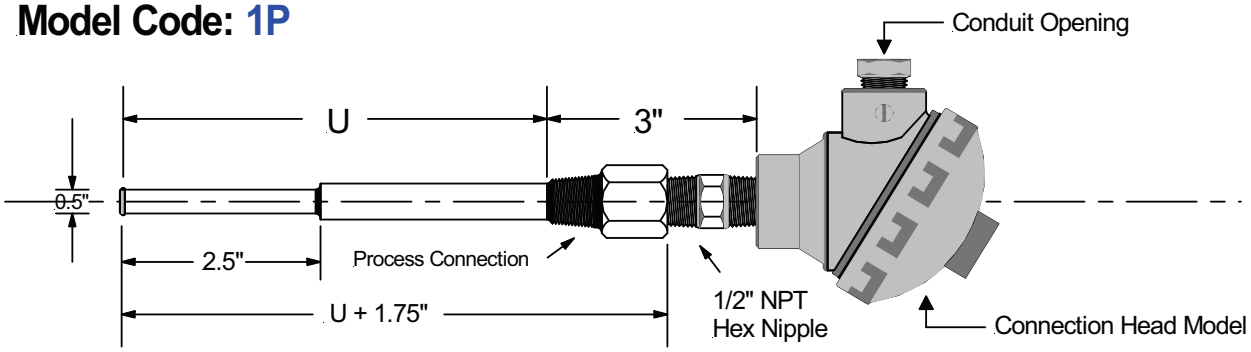
N	None
B	No Terminal Block
S	Spring Loaded
T	4-20mA Transmitter
R	Options S & T
Q	Options S & B

Mineral Insulated RTD & Thermowell Assembly

Standard Stepped Threaded Thermowell

Operating Temperature:
-200 C to +500 C Max.

Model Code: 1P



All Thermowell Assemblies Are Spring Loaded.

Model: **1P** [A] [B] — [C] [D] — [E] [F] [G] [H]

A	"U" Fractional Dimension
A	1 5/8"
B	2 1/2"
C	4 1/2"
D	7 1/2"
E	10 1/2"
F	13 1/2"
G	16 1/2"
H	22 1/2"

For all other U lengths contact factory for availability.

B	Sheath Material
1	304 Stainless
2	316 Stainless
3	Solid Teflon

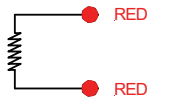
For all other materials contact factory for availability.

C	RTD Element Type		
	Ohms	Class A	Class B
	1 x Pt100	1	2
	2 x Pt100	3	4
	1 x Pt1000	5	6
	2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

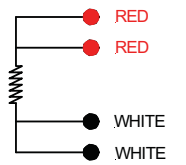
D	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



E	Process Connection
1	1/2" NPT
2	3/4" NPT
3	1" NPT

F	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

G	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

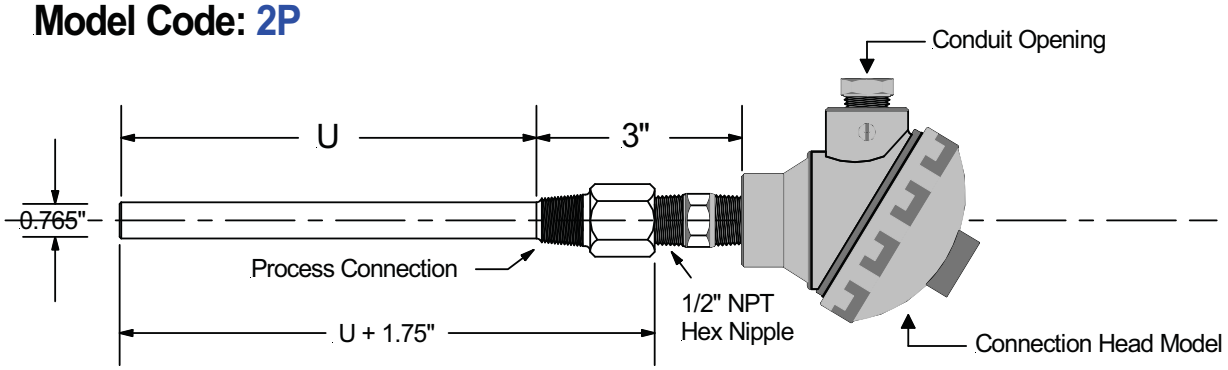
H	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

Mineral Insulated RTD & Thermowell Assembly

Standard Straight Threaded Thermowell

Operating Temperature:
-200 C to +500 C Max.

Model Code: 2P



All Thermowell Assemblies Are Spring Loaded.

Model: **2P** [A] [B] — [C] [D] — [E] [F] [G] [H]

A	"U" Fractional Dimension
A	1 5/8"
B	2 1/2"
C	4 1/2"
D	7 1/2"
E	10 1/2"
F	13 1/2"
G	16 1/2"
H	22 1/2"

For all other U lengths contact factory for availability.

B	Sheath Material
1	304 Stainless
2	316 Stainless
3	Solid Teflon

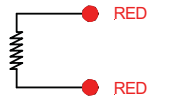
For all other materials contact factory for availability.

C	RTD Element Type		
	Ohms	Class A	Class B
	1 x Pt100	1	2
	2 x Pt100	3	4
	1 x Pt1000	5	6
	2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

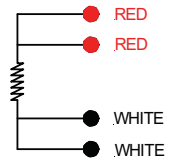
D	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



E	Process Connection
1	1/2" NPT
2	3/4" NPT
3	1" NPT

F	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

G	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

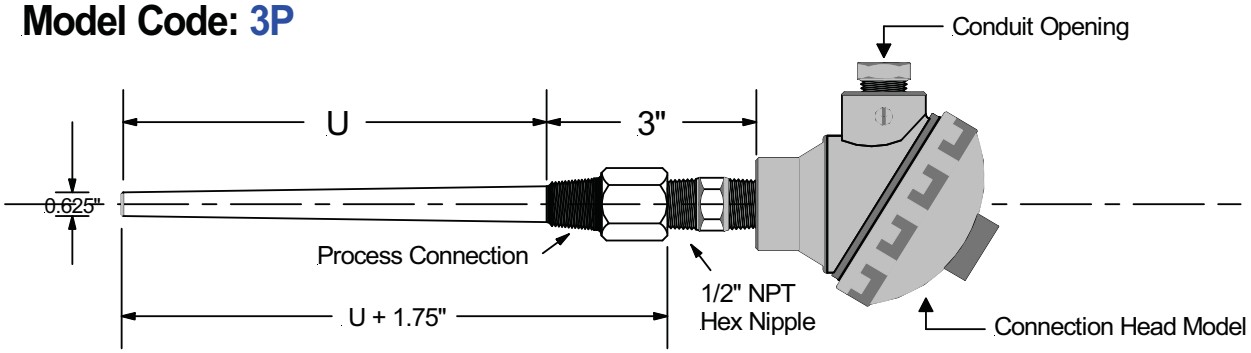
H	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

Mineral Insulated RTD & Thermowell Assembly

Standard Tapered Threaded Thermowell

Operating Temperature:
-200 C to +500 C Max.

Model Code: 3P



All Thermowell Assemblies Are Spring Loaded.

Model: **3P** [A] [B] — [C] [D] — [E] [F] [G] [H]

A	"U" Fractional Dimension
A	1 5/8"
B	2 1/2"
C	4 1/2"
D	7 1/2"
E	10 1/2"
F	13 1/2"
G	16 1/2"
H	22 1/2"

For all other U lengths contact factory for availability.

B	Sheath Material
1	304 Stainless
2	316 Stainless
3	Solid Teflon

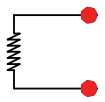
For all other materials contact factory for availability.

C	RTD Element Type		
	Ohms	Class A	Class B
	1 x Pt100	1	2
	2 x Pt100	3	4
	1 x Pt1000	5	6
	2 x Pt1000	7	8

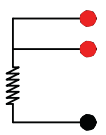
Temperature Coefficient: 0.00385
Platinum element
IEC 751

D	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

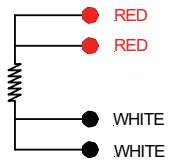
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



E	Process Connection
1	1/2" NPT
2	3/4" NPT
3	1" NPT

F	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

G	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

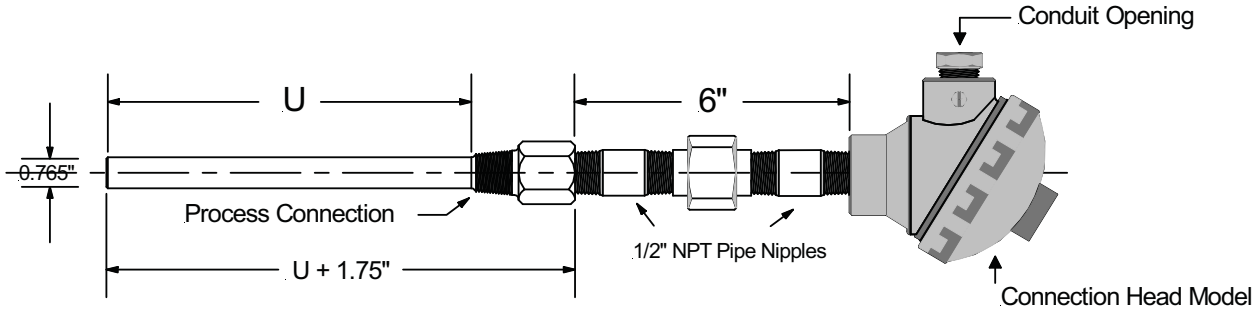
H	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

Mineral Insulated RTD & Thermowell Assembly

Nipple-Union-Nipple-Thermowell Style

Operating Temperature:
-200 C to +500 C Max.

Model Code: 4P



All Thermowell Assemblies Are Spring Loaded.

Model: **4P**

A	B	C	—	D	E	—	F	G	H	I

A	Thermowell Type
1	Stepped
2	Straight
3	Tapered

B	"U" Fractional Dimension
A	1 5/8"
B	2 1/2"
C	4 1/2"
D	7 1/2"
E	10 1/2"
F	13 1/2"
G	16 1/2"
H	22 1/2"

For all other U lengths contact factory for availability.

C	Sheath Material
1	304 Stainless
2	316 Stainless
3	Solid Teflon

D	RTD Element Type	
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

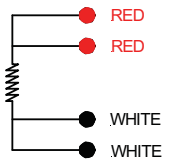
Temperature Coefficient: 0.00385
Platinum element
IEC 751

E	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration

3 Wire Configuration

4 Wire Configuration



F	Process Connection
1	1/2" NPT
2	3/4" NPT
3	1" NPT

G	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Polypropylene: FDA Appr.
E	Cast Iron: Standard
F	316 Stainless Steel
G	Explosion Proof

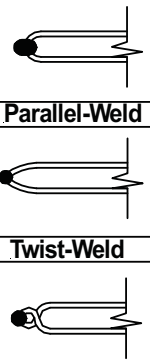
H	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

I	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

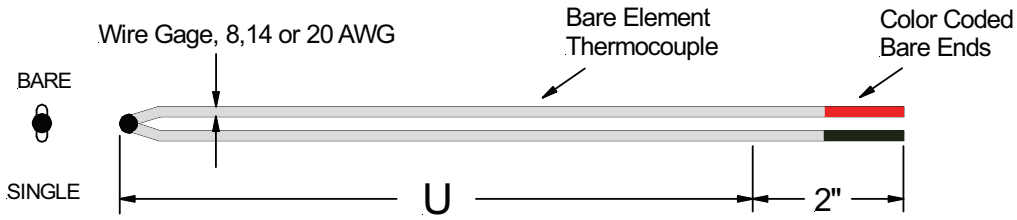
INDUSTRIAL THERMOCOUPLES

Base Metal Bare Thermocouple Elements

1	Butt-Weld
2	Parallel-Weld
3	Twist-Weld



Model: Q1



Steps: A — B — C — D

Model: **Q1** [A] — [B] — [C] — [D]

A	Junction Weld Description
A	Butt-weld
B	Parallel-weld
C	Twist-weld

C	Calibration		
Standard Limits of Error		Special Limits of Error	
A	J	C	J
B	K	D	K

D	"U" Dimension
Specify " U " Length In Inches	0 1 8

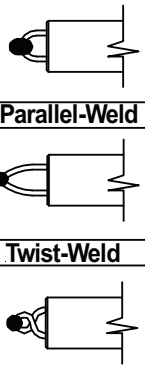
Example "U" is 18" = 018

B	Thermocouple Wire Gage	
Model	Wire Gage	Description
1	8	No Ceramic Insulators, Bare Thermocouple Element
2	14	No Ceramic Insulators, Bare Thermocouple Element
3	20	No Ceramic Insulators, Bare Thermocouple Element

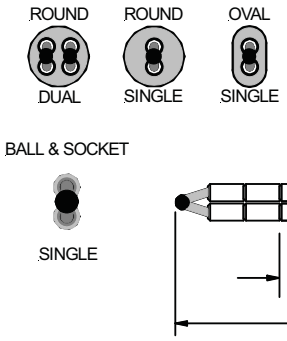
INDUSTRIAL THERMOCOUPLES

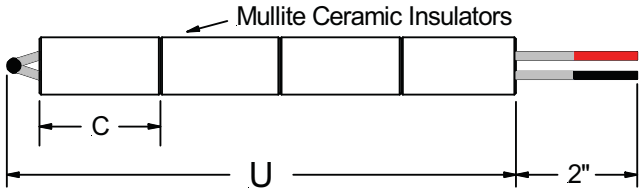
Base Metal Thermocouple Elements With Ceramic Insulators

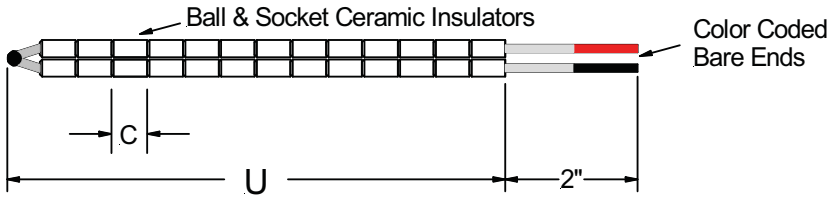
1	Butt-Weld
2	Parallel-Weld
3	Twist-Weld



Model: Q2







Steps: A — B — C — D

Model: **Q2** ____ — ____ — ____ — ____ ____ ____

A	Junction Weld Description
A	Butt-weld
B	Parallel-weld
C	Twist-weld

C	Calibration		
Standard Limits of Error		Special Limits of Error	
A	J	C	J
B	K	D	K

D	"U" Dimension
Specify " U " Length In Inches	0 1 8

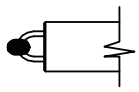
Example "U" is 18" = 018

B	Wire Gage & Ceramic Insulator Selection				
Model	Wire Gage	Shape	"C" Length	Outside Diameter	Elements
1	8	Round	1"	0.468"	Single
2	8	Round	3"	0.500"	Single
3	8	Oval	1"	0.435" x 0.250"	Single
4	8	Oval	3"	0.562" x 0.312"	Single
5	14	Round	1"	0.250"	Single
6	14	Round	3"	0.281"	Single
7	14	Round	1"	0.312"	Dual
8	14	Oval	1"	0.312" x 0.187"	Single
9	14	Oval	3"	0.375" x 0.217"	Single
10	20	Round	1"	0.187"	Single
11	20	Round	3"	0.225"	Single
12	8	Ball & Socket	0.260"	0.260"	Single
13	14	Ball & Socket	0.200"	0.200"	Single
14	20	Ball & Socket	0.170"	0.170"	Single

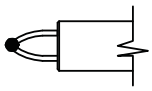
INDUSTRIAL THERMOCOUPLES

Base Metal Angle Thermocouple Elements With Ceramic Insulators

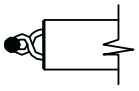
1 Butt-Weld



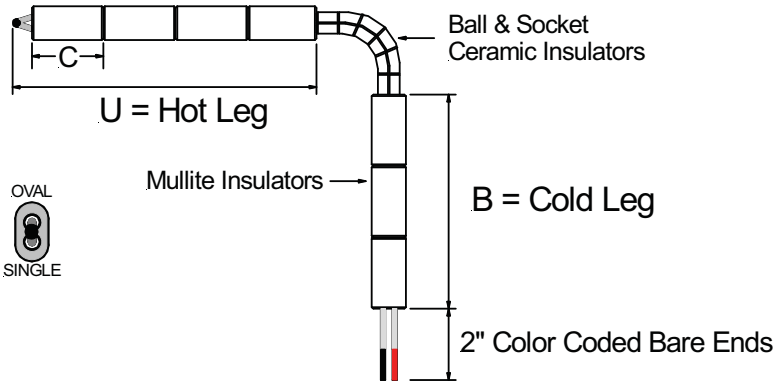
2 Parallel-Weld



3 Twist-Weld



Model: Q3



Steps: A B C D E

Model: **Q3** ___ ___ ___ ___ — ___ — ___

A	Junction Weld Description
A	Butt-weld
B	Parallel-weld
C	Twist-weld

C	Calibration			
Standard Limits of Error		Special Limits of Error		
A	J	C	J	
B	K	D	K	

D	"U" Hot Dimension
Specify " U " Length In Inches	1 2

Example "U" is 12" = 12

E	"B" Cold Dimension
Specify " B " Length In Inches	1 8

Example "U" is 18" = 18

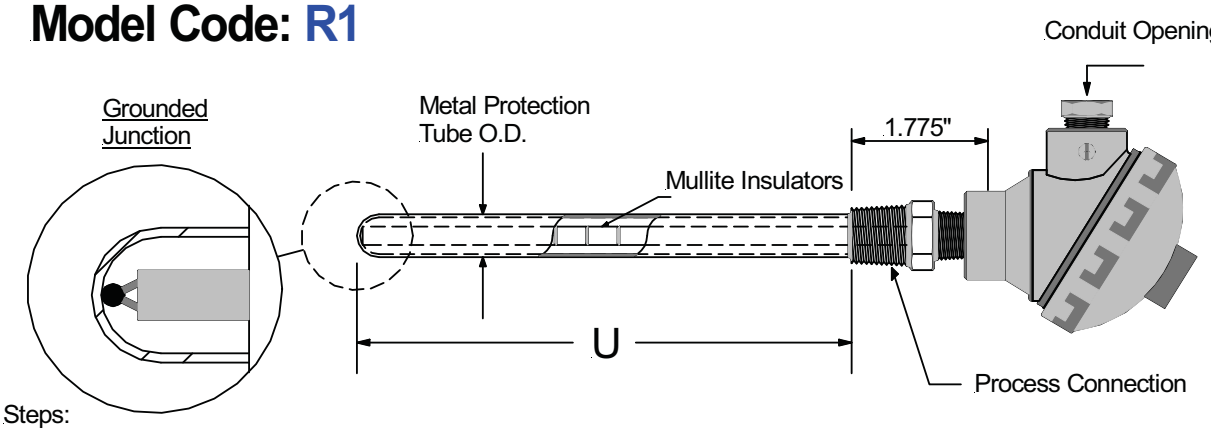
B Wire Gage & Ceramic Insulator Selection

Model	Wire Gage	Shape	"C" Length	Outside Diameter	Elements
1	8	Round	1"	0.468"	Single
2	8	Round	3"	0.500"	Single
3	8	Oval	1"	0.435" x 0.250"	Single
4	8	Oval	3"	0.562" x 0.312"	Single
5	14	Round	1"	0.250"	Single
6	14	Round	3"	0.281"	Single
7	14	Round	1"	0.312"	Dual
8	14	Oval	1"	0.312" x 0.187"	Single
9	14	Oval	3"	0.375" x 0.217"	Single
10	20	Round	1"	0.187"	Single
11	20	Round	3"	0.225"	Single

INDUSTRIAL THERMOCOUPLES

Base Metal Thermocouple & Metal Protection Tube Assembly

Model Code: R1



Steps:

Model:

A	B	C	D	E	F	G		H	I	J
R1							—			

A Outside Diameter

1	1/4" NPT Pipe
2	1/2" NPT Pipe
3	3/4" NPT Pipe

B Wall Thickness

1	Schedule 20
2	Schedule 40
3	Schedule 80

C Sheath Material

A	Carbon Steel
B	304 SS
C	316 SS
D	Inconel 600
E	Ceramic Coated

D "U" Dimension

Specify " U " Length In Inches 0 0 6

Example "U" is 6" = 006

E Calibration

Standard Limits of Error		Special Limits of Error	
A	J	C	J
B	K	D	K

F Junction

Wire Gage	Gounded		Ungounded	
	Single	Dual	Single	Dual
8	1	4	7	10
14	2	5	8	11
20	3	6	9	12

G Process Connection

1	None
2	1/2" NPT
3	3/4" NPT
4	1" NPT

H Connection Head Model

A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Black Nylon Head
E	Cast Iron: Standard Size
F	316 Stainless Steel
G	Explosion Proof

I Conduit Opening

1	None
2	1/2" NPT
3	3/4" NPT

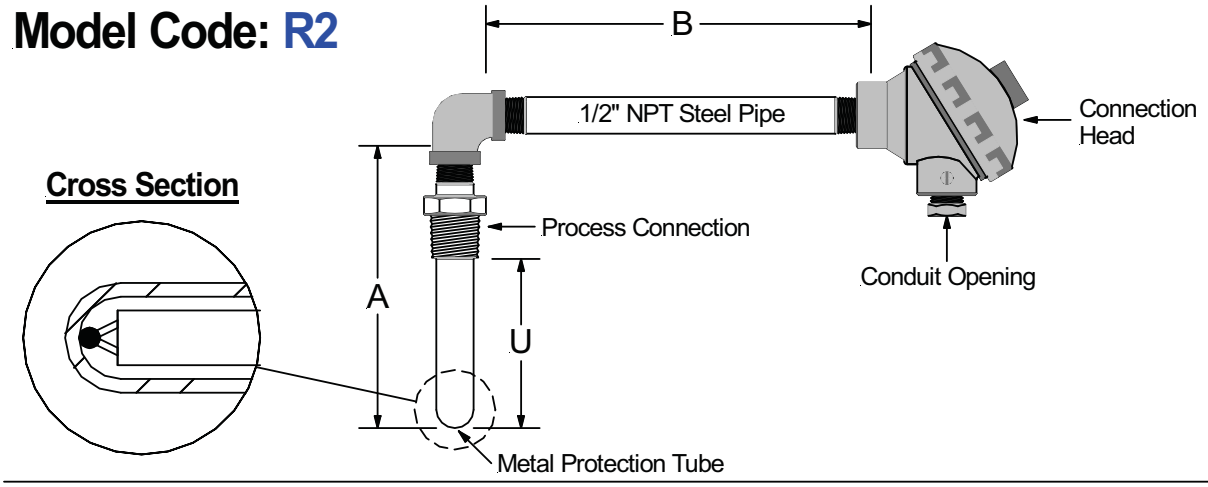
J Connection Head Options

N	None
B	No Terminal Block
T	4-20mA Transmitter

INDUSTRIAL THERMOCOUPLES

Base Metal Angle Thermocouple & Metal Protection Tube Assembly

Model Code: R2



Cross Section

Steps: A B C D E F G H I J K L

Model: R2 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

A	Protection Tube O.D.
A	1/4" Pipe
B	1/2" Pipe
C	3/4" Pipe

B	Wall Thickness
1	Schedule 20
2	Schedule 40
3	Schedule 80

C	Sheath Material
A	Carbon Steel
B	304 SS
C	316 SS
D	Inconel 600
E	Ceramic Coated

D	"A" Dimension
Specify " A " Length In Inches	0 1 2

Example "A" is 12" = 012

E	Calibration		
	Standard Limits of Error		Special Limits of Error
A	J	C	J
B	K	D	K

F	Junction			
Wire Gage	Gounded		Ungounded	
	Single	Dual	Single	Dual
8	1	4	7	10
14	2	5	8	11
20	3	6	9	12

G	Process Connection
A	None
B	1/2" NPT
C	3/4" NPT
D	1" NPT

H	"U" Dimension
Specify " U " Length In Inches	0 0 8

Example "U" is 8" = 008

I	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Black Nylon Head
E	Cast Iron: Standard Size
F	316 Stainless Steel
G	Explosion Proof

J	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

K	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

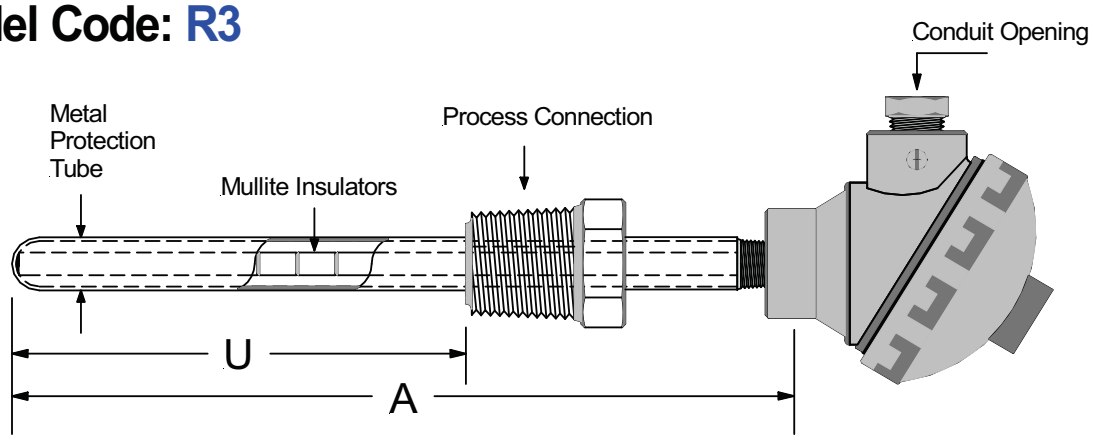
L	"B" Insertion
Specify " B " Length In Inches	0 1 8

Example "B" is 18" = 018

INDUSTRIAL THERMOCOUPLES

Base Metal Thermocouple & Metal Protection Tube Assembly

Model Code: R3



Steps: A B C D E F G H I J K

Model: R3 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

A Protection Tube O.D.

A	1/4" Pipe
B	1/2" Pipe
C	3/4" Pipe

B Wall Thickness

1	Schedule 20
2	Schedule 40
3	Schedule 80

C Sheath Material

A	Carbon Steel
B	304 SS
C	316 SS
D	Inconel 600
E	Ceramic Coated

D "A" Dimension

Specify " A " Length In Inches 0 1 2

Example "A" is 12" = 012

E Calibration

Standard Limits of Error		Special Limits of Error	
A	J	C	J
B	K	D	K

F Junction

Wire Gage	Gounded		Ungounded	
	Single	Dual	Single	Dual
8	1	4	7	10
14	2	5	8	11
20	3	6	9	12

G Process Connection

A	1/2" NPT Hex Bushing
B	3/4" NPT Hex Bushing
C	1" NPT Hex Bushing

H "U" Dimension

Specify " U " Length In Inches 0 0 8

Example "U" is 8" = 008

I Connection Head Model

A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Black Nylon Head
E	Cast Iron: Standard Size
F	316 Stainless Steel
G	Explosion Proof

J Conduit Opening

1	None
2	1/2" NPT
3	3/4" NPT

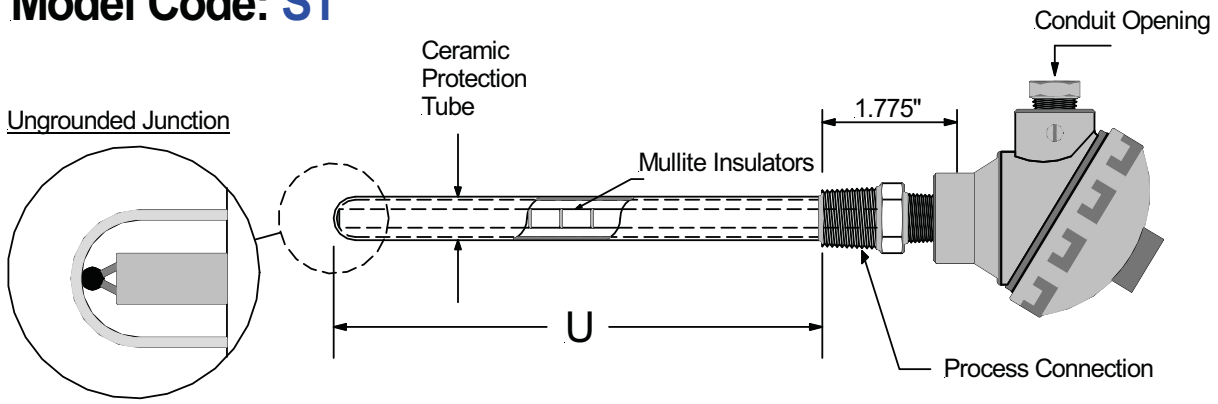
K Connection Head Options

N	None
B	No Terminal Block
T	4-20mA Transmitter

INDUSTRIAL THERMOCOUPLES

Base Metal Thermocouple & Ceramic Protection Tube Assembly

Model Code: S1



Model: **S1** [A] [B] [C] — [D] [E] [F] — [G] [H] [I]

A	Ceramic Tube Size
A	1/4" O.D.
B	3/8" O.D.
C	1/2" O.D.
D	11/16" O.D.
E	1" O.D.

D	Calibration			
	Standard Limits of Error		Special Limits of Error	
A	J	C	J	
B	K	D	K	

G	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Black Nylon Head
E	Cast Iron: Standard Size
F	316 Stainless Steel
G	Explosion Proof

B	Protection Tube
1	Alumina 1800C Max.
2	Mullite 1600C Max.

E	Wire Size		
Gage	Single	Dual	
8	1	4	
14	2	5	
20	3	6	

H	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

C	"U" Dimension
Specify " U " Length In Inches	0 6

Example "U" is 6" = 06

F	Process Connection
1	None
2	1/2" NPT
3	3/4" NPT
4	1" NPT

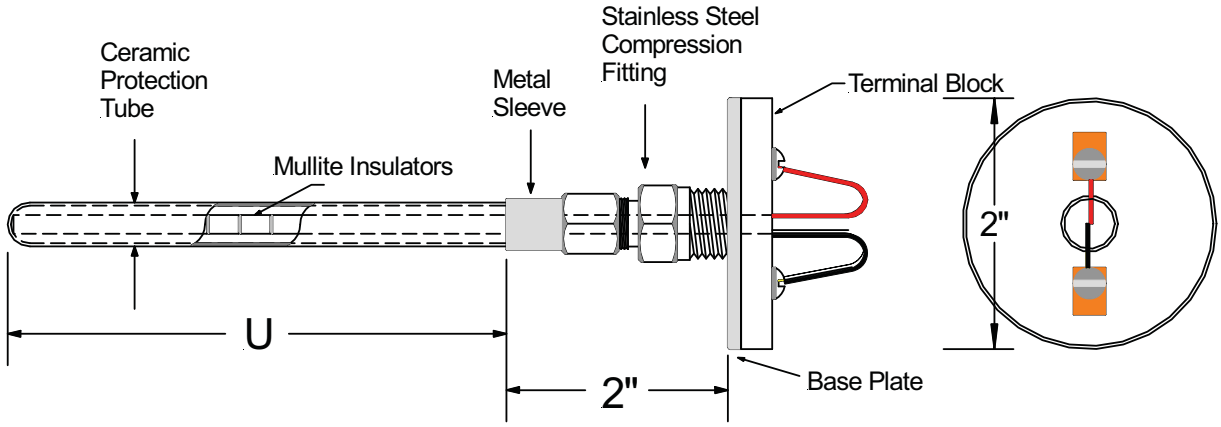
I	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

INDUSTRIAL THERMOCOUPLES

Base Metal Thermocouple, Ceramic Protection Tube & Terminal Block Assembly

Model Code: S2

Operating Temperature:
+1000 C Max.



Model: S2 [A] [B] [C] — [D] [E] — [F]

A	Ceramic Tube Size
A	1/4" O.D.
B	3/8" O.D.

B	Protection Tube
1	Alumina 1800C Max.
2	Mullite 1600C Max.

C	"U" Dimension
Specify " U " Length In Inches	0 6

Example "U" is 6" = 06

D	Calibration		
	Standard Limits of Error		Special Limits of Error
A	J	C	J
B	K	D	K

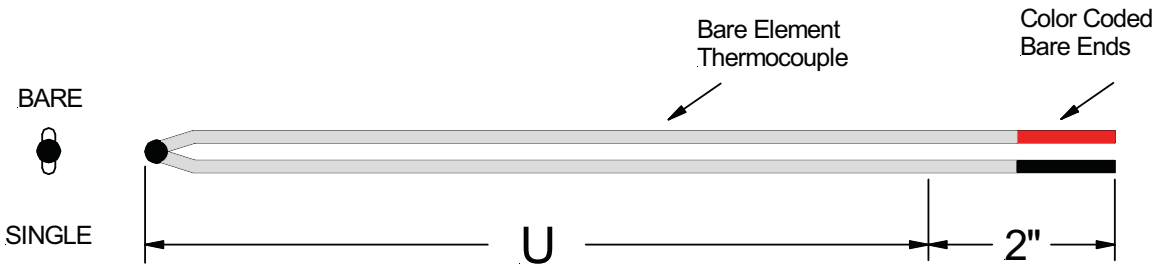
E	Wire Size	
Gage	Single	Dual
20	1	4
24	2	5

F	Terminal Block Description
A	Ceramic
B	Ceramic, Spring Loaded
C	Plastic, 1" Dia. Micro Head Size

NOBEL METAL THERMOCOUPLES

Bare Element Thermocouples

Model: T1



Steps: A — B — C

Model: **T1** ____ — ____ — ____

A	Wire Gage
A	20 Gage
B	24 Gage
C	26 Gage
D	28 Gage

B	Calibration		
	Standard Limits of Error		Special Limits of Error
A	S	D	S
B	R	E	R
C	B	F	B

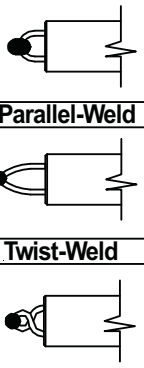
C	"U" Dimension
Specify " U " Length In Inches	0 1 8

Example "U" is 18" = 018

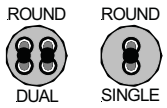
NOBEL METAL THERMOCOUPLES

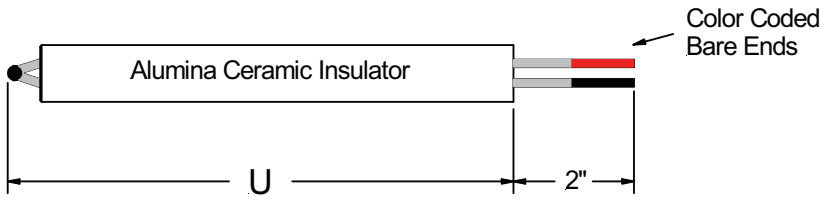
Nobel Metal Thermocouple Elements With Ceramic Insulators

1	Butt-Weld
2	Parallel-Weld
3	Twist-Weld



Model: T2





Steps: A — B — C — D

Model: **T2** ____ — ____ — ____ — _____

A	Wire Size	
Gage	Single	Dual
20	1	5
24	2	6
26	3	7
28	4	8

B	Insulator Diameter
A	1/8" O.D.
B	3/16" O.D.
C	1/4" O.D.

C	Calibration		
	Standard Limits of Error		Special Limits of Error
A	S	D	S
B	R	E	R
C	B	F	B

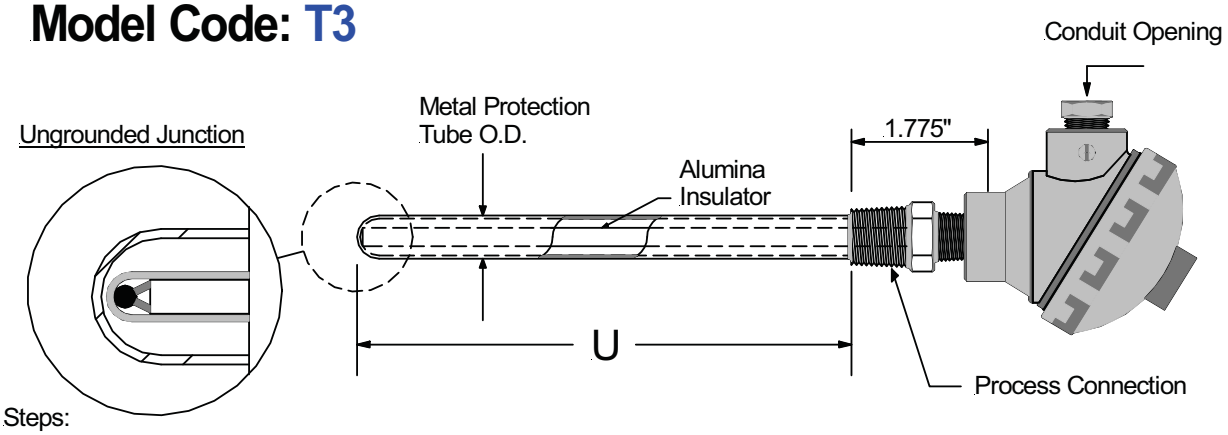
D	"U" Dimension
Specify " U " Length In Inches	0 1 8

Example "U" is 18" = 018

NOBEL METAL THERMOCOUPLES

Nobel Metal Thermocouple & Metal Protection Tube Assembly

Model Code: T3



Steps:

Model:

A	B	C	D	E	F	G		H	I	J
T3	___	___	___	___	___	___	___	—	___	___	___

A	Outside Diameter
1	1/4" NPT Pipe
2	1/2" NPT Pipe
3	3/4" NPT Pipe

B	Wall Thickness
1	Schedule 20
2	Schedule 40
3	Schedule 80

C	Sheath Material
A	Carbon Steel
B	304 SS
C	316 SS
D	Inconel 600
E	Ceramic Coated

D	"U" Dimension
Specify " U " Length In Inches	0 6

Example "U" is 6" = 06

E	Calibration		
	Standard Limits of Error		Special Limits of Error
A	S	D	S
B	R	E	R
C	B	F	B

F	Wire Size	
Gage	Single	Dual
20	1	5
24	2	6
26	3	7
28	4	8

G	Process Connection
1	None
2	1/2" NPT
3	3/4" NPT
4	1" NPT

H	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Black Nylon Head
E	Cast Iron: Standard Size
F	316 Stainless Steel
G	Explosion Proof

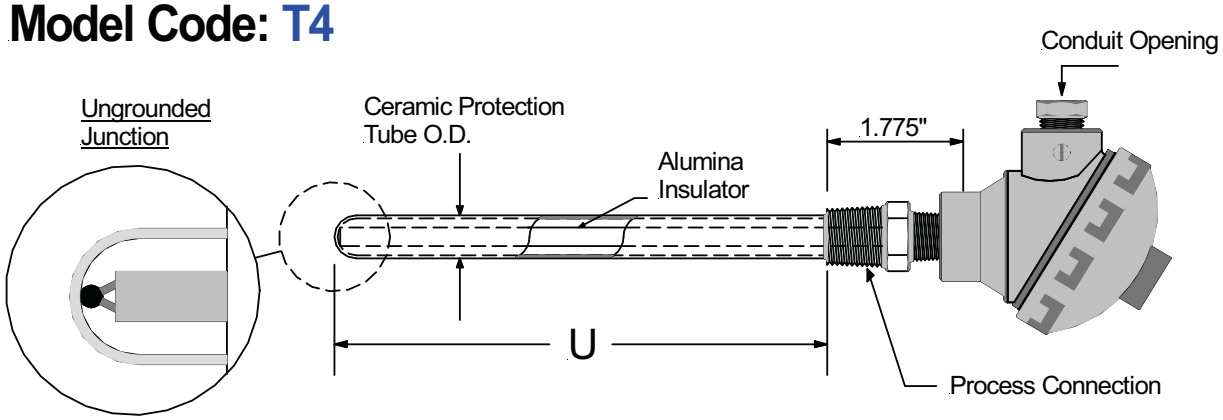
I	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

J	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

NOBEL METAL THERMOCOUPLES

Nobel Metal Thermocouple & Ceramic Protection Tube Assembly

Model Code: T4



Model: **T4** A B C — D E F — G H I

A	Ceramic Tube Size
A	1/4" O.D.
B	3/8" O.D.
C	1/2" O.D.
D	11/16" O.D.
E	1" O.D.

B	Protection Tube
1	Alumina 1800C Max.
2	Mullite 1600C Max.

C	"U" Dimension
Specify " U " Length In Inches	0 6

Example "U" is 6" = 06

D	Calibration			
	Standard Limits of Error		Special Limits of Error	
A	S	D	S	
B	R	E	R	
C	B	F	B	

E	Wire Size	
Gage	Single	Dual
20	1	5
24	2	6
26	3	7
28	4	8

F	Process Connection
1	None
2	1/2" NPT
3	3/4" NPT
4	1" NPT

G	Connection Head Model
A	None , 3" Split Leads
B	Cast Aluminum: Standard
C	Cast Aluminum: Mini
D	Black Nylon Head
E	Cast Iron: Standard Size
F	316 Stainless Steel
G	Explosion Proof

H	Conduit Opening
1	None
2	1/2" NPT
3	3/4" NPT

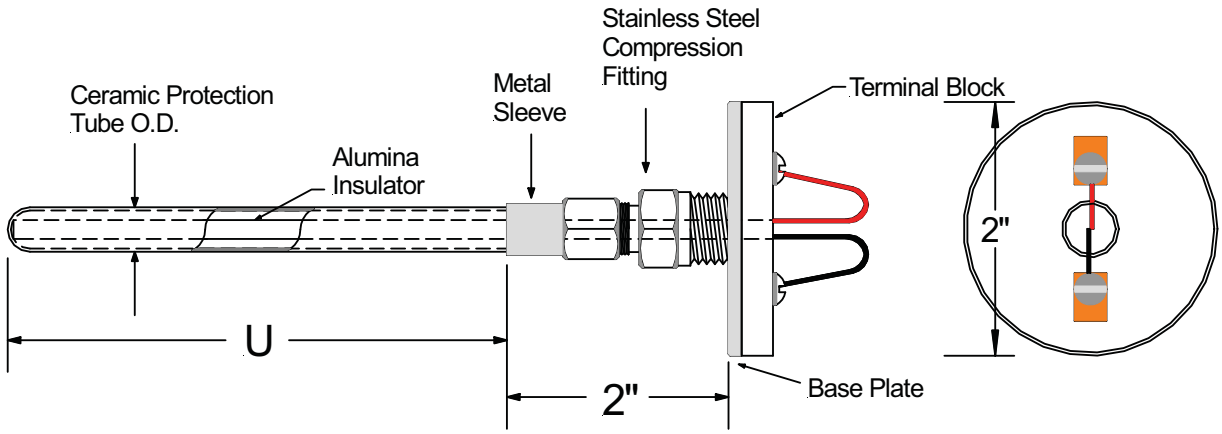
I	Connection Head Options
N	None
B	No Terminal Block
T	4-20mA Transmitter

NOBEL METAL THERMOCOUPLES

Nobel Metal Thermocouple, Ceramic Protection Tube & Terminal Block Assembly

Model Code: T5

Operating Temperature:
+1000 C Max.



Model: **T5** A B C — D E — F

A	Ceramic Tube Size
1	1/4" O.D.
2	3/8" O.D.

B	Protection Tube
A	Alumina 1800C Max.
B	Mullite 1600C Max.

C	"U" Dimension
Specify " U " Length In Inches	0 6

Example "U" is 6" = 06

D	Calibration		
	Standard Limits of Error		Special Limits of Error
A	S	D	S
B	R	E	R
C	B	F	B

E	Wire Size	
Gage	Single	Dual
20	1	5
24	2	6
26	3	7
28	4	8

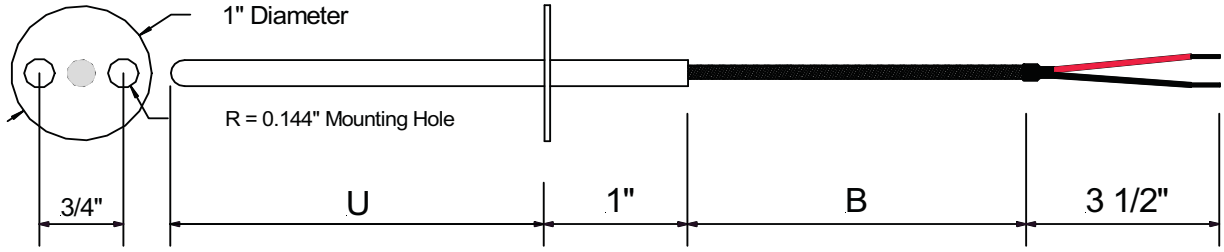
F	Terminal Block Description
A	Ceramic
B	Ceramic, Spring Loaded
C	Plastic, 1" Dia. Micro Head Size

SPECIAL THERMOCOUPLE ASSEMBLIES

Flanged Style Tube & Wire Thermocouple Probe

Model Code: Z1

Maximum operating temperature: 900F or 500C



Model:	A	B	C	D	E	F	G	H	I		J	K
Z1	___	___	___	___	___	___	___	___	___	–	___	___

A Outside Diameter

A	1/8"
B	3/16"
C	1/4"
D	5/16"

B "U" Dimension

Specify " U " Length In Inches 0 6

Example "U" is 6" = 06

C "U" Length Fractional

A	0"
B	1/8"
C	3/16"
D	1/4"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

D "B" Dimension

Specify " B " Length In Inches 0 4 8

Example "B" is 48" = 048

E Calibration

	+	–
J	White	Red
K	Yellow	Red
T	Blue	Red

F Junction Styles

Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	C	I

G Cable Conductor Description

1	24 Gage, Solid Conductor
2	24 Gage, 7 Stranded Conductors
3	20 Gage, Solid Conductor
4	20 Gage, 7 Stranded Conductors

H Cable Insulation Description

A	Fiberglass Insulation: 950F / 510C
B	Teflon Insulation: 500F / 260C
C	P.V. C. Insulation: 221F / 105C
D	Teflon, Shielded + Drain Wire
E	P.V.C., Shieded + Drain Wire

I Outer Jacket Protection

1	None
2	Stainless Steel Braid
3	Armor Flexible Cable: 0.280" Outside Diameter
4	Armor Flexible Cable 0.210" Outside Diameter

Metal Braid Protection not available on P.V.C insulation cable.

J Termination

A	3 1/2" Split leads & bare ends
B	3 1/2" Split leads & No.10 spade lugs.
C	Standard Male Plug (350 F)
D	Standard Female Jack (350 F)
E	Mini Male Plug (350 F)
F	Mini Female Jack (350 F)

K Termination Options

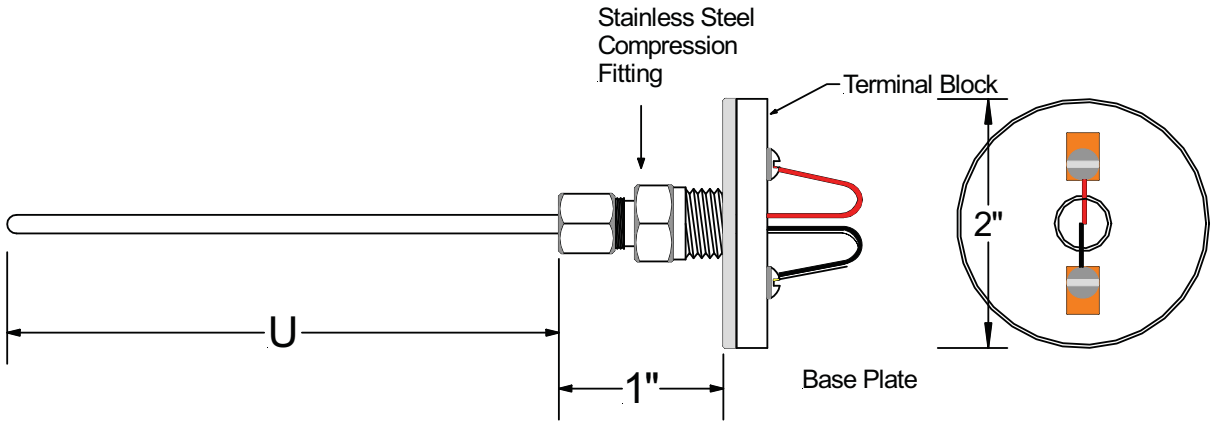
1	None
2	Bx Connector
3	Cable Clamp

SPECIAL THERMOCOUPLE ASSEMBLIES

Mineral Insulated Thermocouple & Terminal Block Assembly

Model Code: Z2

Operating Temperature:
-200 C to +1000 C Max.



Model: Z2 [A] [B] — [C] [D] — [E]

A	Outside Diameter
A	1/8" O.D.
B	3/16" O.D.
C	1/4" O.D.
D	1/2" O.D.

C	Calibration			
	Standard Limits of Error		Special Limits of Error	
A	J	D	J
B	K	E	K
C	T	F	T

E	Terminal Block Description
A	Ceramic
B	Ceramic, Spring Loaded
C	Plastic, Micro Head Size

B	"U" Dimension
Specify " U " Length In Inches	0 6

Example "U" is 6" = 06

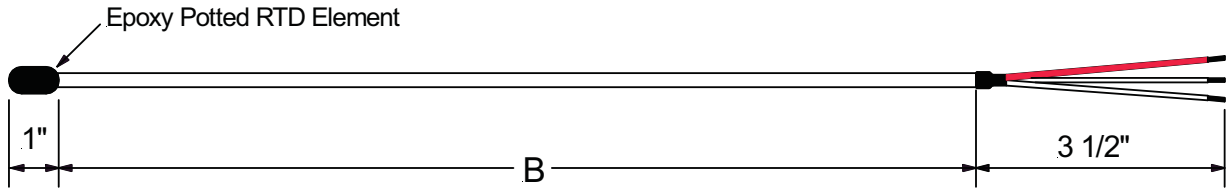
D	Junction Styles		
Element Description	Grounded	Ungrounded	
	Common	Common	Isolated
Single	G		U
Duplex	D	F	H

SPECIAL SENSOR ASSEMBLIES

Epoxy Potted RTD Assembly

Low temperature application

Model Code: Z3



Operating Temperature: -200 C to +250 C

Steps To Follow:

Model: Z3 [1.] [2.] [3.] - [4.] - [5.] [6.]

1. Wire Description

S	24 Gage Stranded Stainless Steel Braid
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

2. Termination Type

0	3" Split Leads & 1/2" Bare Ends.
1	3" Slip Leads & Spade Lugs
2	Standard Male Plug (2 & 3 Wire config. only)
3	Standard Female Jack (2 & 3 Wire config. only)
4	Mini Male Plug (2 & 3 Wire config. only)
5	Mini Female Jack (2 & 3 Wire config. only)

3. Accessories

N	None
X	Bx Connector
C	Cable Clamp

4. "B" Dimension

"B"= 0 4 8 "

Leads Wire Length In Inches

5. RTD Element Type

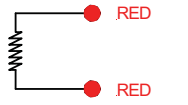
Ohms	Class A	Class B
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

6. RTD Wire Connection

2	2 Wire Configuration
3	3 Wire Configuration
4	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration