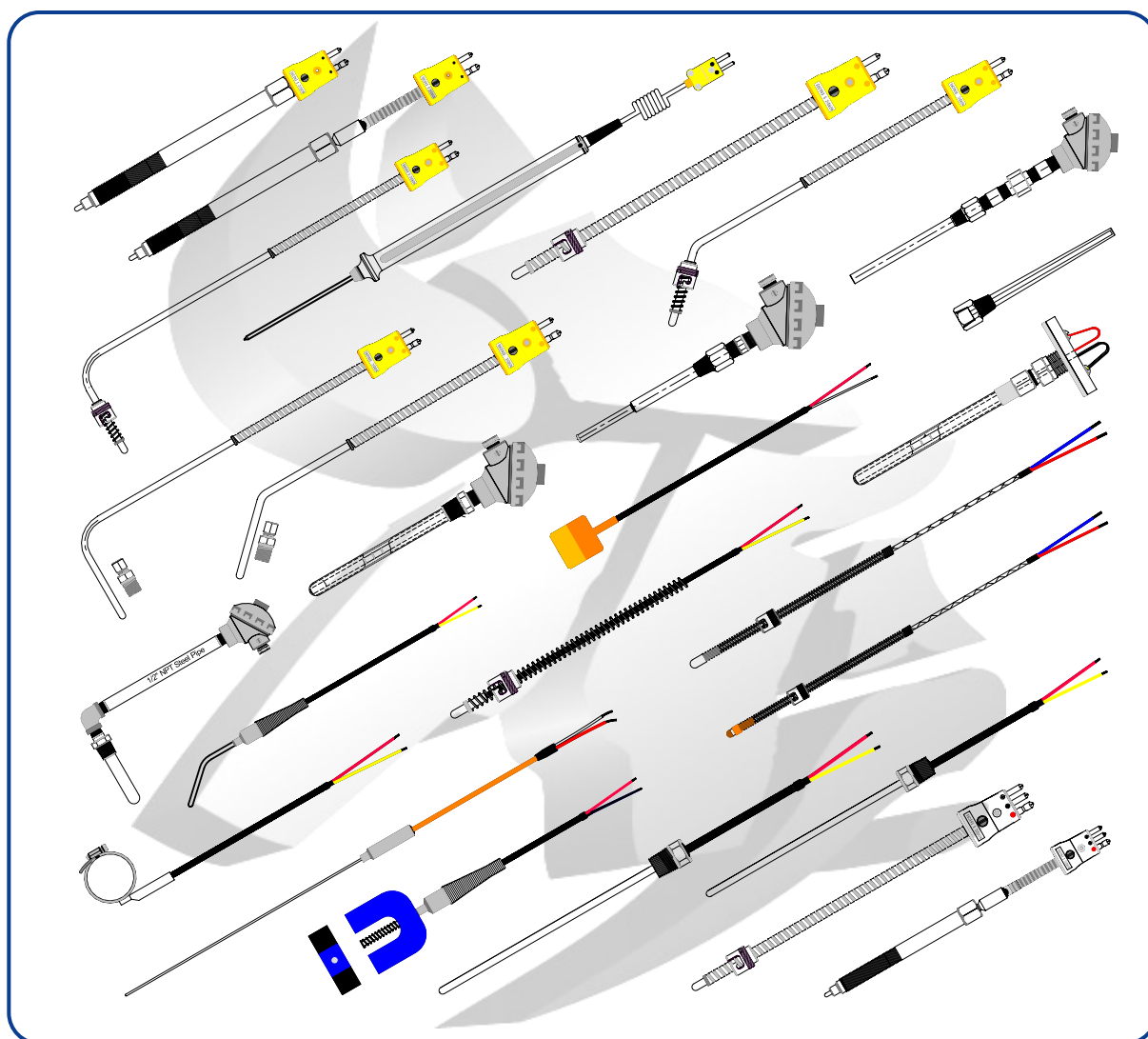




**Specialty Thermocouples & RTD's
for Industrial Applications**



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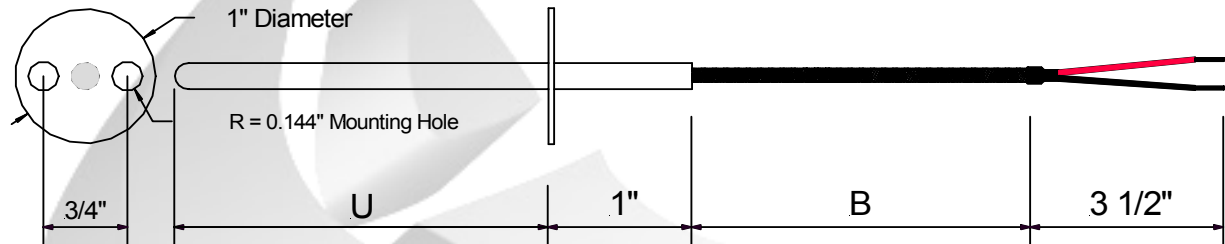
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SPECIAL THERMOCOUPLE ASSEMBLIES

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 <u>0 6</u>	

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 <u>0 4 8</u>	

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., Shielded + 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

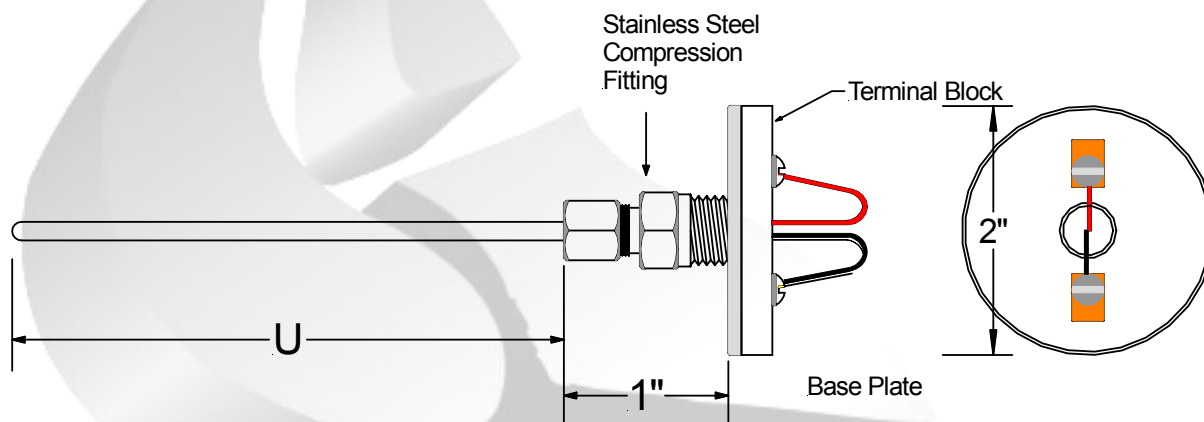
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SPECIAL THERMOCOUPLE ASSEMBLIES

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
A	J
B	K
C	T
	Special Limits of Error
D	J
E	K
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 <u>06</u>

Example "U" is 6" = 06

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

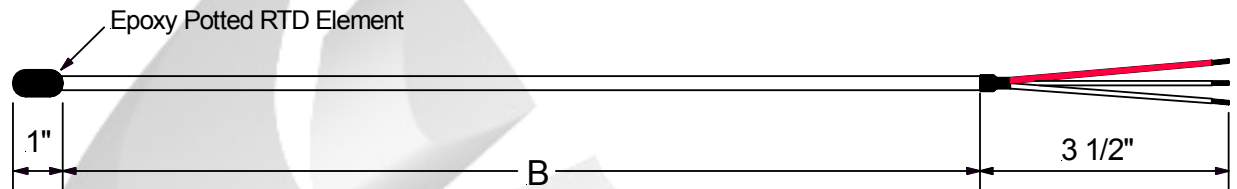
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SPECIAL SENSOR ASSEMBLIES

Epoxy Potted RTD Assembly

Low temperature application

Model Code: **Z3**



Operating Temperature: -200 C to +250 C

Steps To Follow:

Model: **Z3** - -

1.	Wire Description
S	24 Gage Stranded Stainless Steel Braid
F	24 Gage Stranded Fiberglass Cable
T	24 Gage Stranded Teflon Cable

4.	"B" Dimension
	"B"= <u>0 4 8</u> "
	Leads Wire Length In Inches

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)

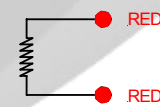
5.	RTD Element Type		
	<u>Ohms</u>	<u>Class A</u>	<u>Class B</u>
	1 x Pt100	1	2
	2 x Pt100	3	4
	1 x Pt1000	5	6
	2 x Pt1000	7	8

Temperature Coefficient: 0.00385
Platinum element
IEC 751

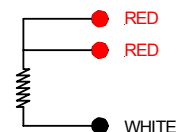
3.	Accessories
N	None
X	Bx Connector
C	Cable Clamp

6.	RTD Wire Connection
2	2 Wire Configuration
3	3 Wire Configuration
4	4 Wire Configuration

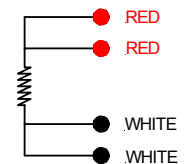
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



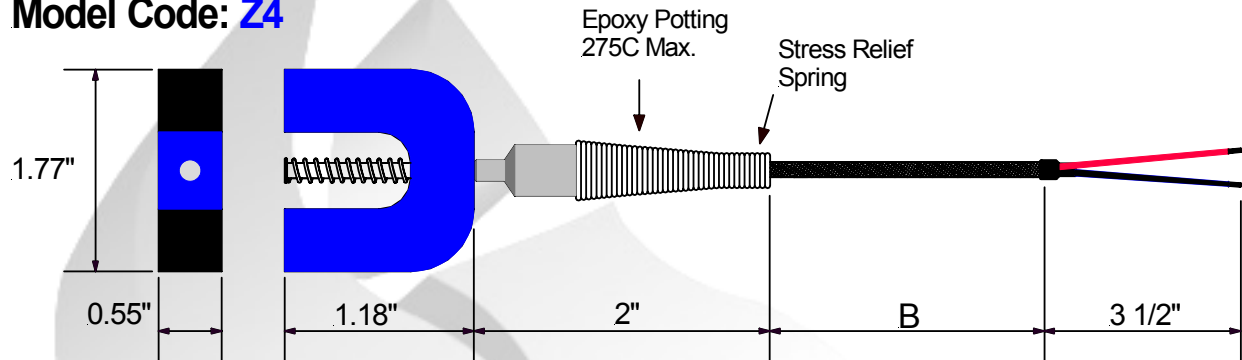
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SPECIAL THERMOCOUPLE ASSEMBLIES

MAGNET MOUNT THERMOCOUPLE

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

Model Code: **Z4**



Model:

Z4

A

B

C

D

E

F

A	Magnet Pull
1	12 lbs
2	24 lbs

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

Example "B" is 48" = 048

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

E	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

C	Junction Styles
	Grounded
	Ungrounded
	Common
	Common
	Isolated
Single	G
Duplex	D

F	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)

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