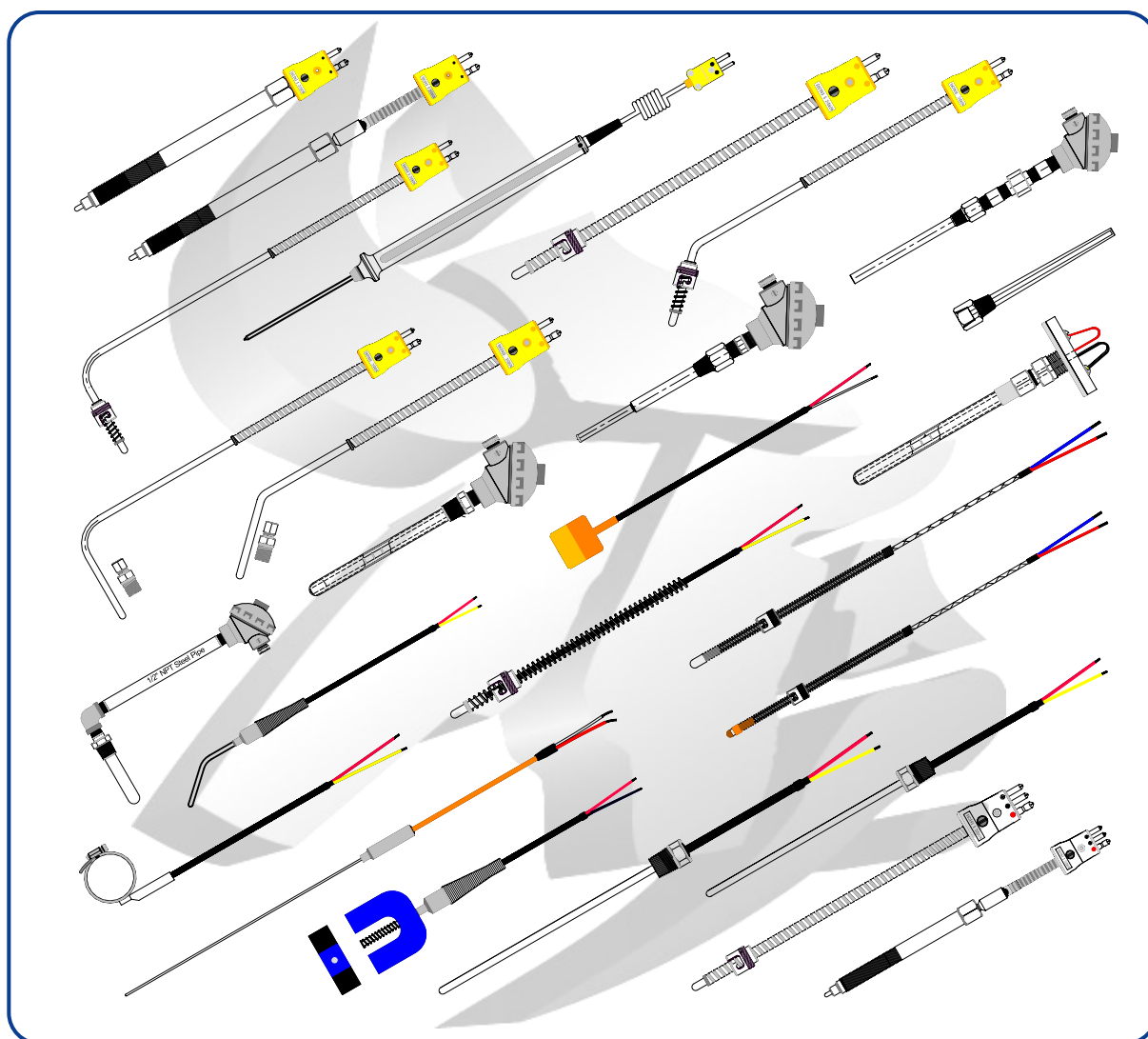




RTD's (Resistance Temperature Devices) for Industrial Applications



Nordic Sensors Industrial Inc.
6860 Louis-Sicard, Saint-Léonard, Québec, Canada H1P 1T7
Telephone: 1-888-667-3421 Fax: 1-888-867-9986
www.nordicsensors.com

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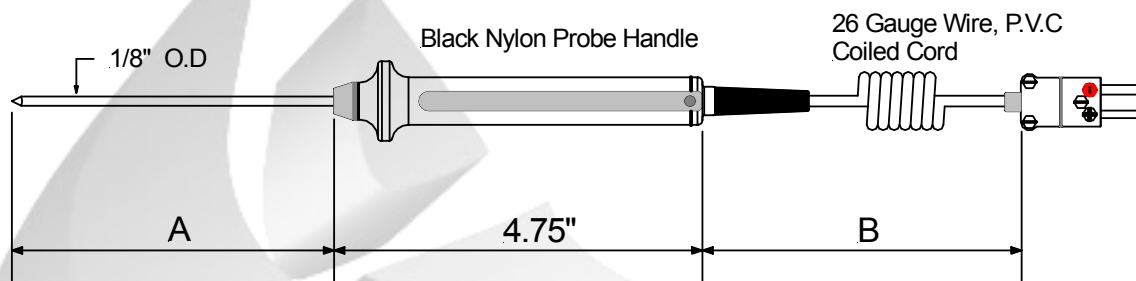
MINERAL INSULATED RTD's FOR INDUSTRIAL APPLICATIONS

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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.	Probe Tip Option
R	Radius Tip Style
D	Drill Point Style

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"

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

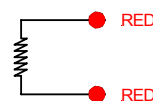
5.	RTD Element Type		
	Ohms	Class A	Class B
	1 x Pt100	2	1
	2 x Pt100	4	3
	1 x Pt1000	6	5
	2 x Pt1000	8	7

Temperature Coefficient: 0.00385
Platinum element
IEC 751

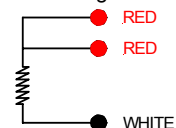
3.	"A" Dimension
	"A"= <u>0 4</u> "
	Length In Inches

6.	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration

2 Wire Configuration



3 Wire Configuration



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Mineral Insulated RTD

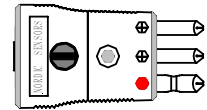
Straight RTD Elements

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

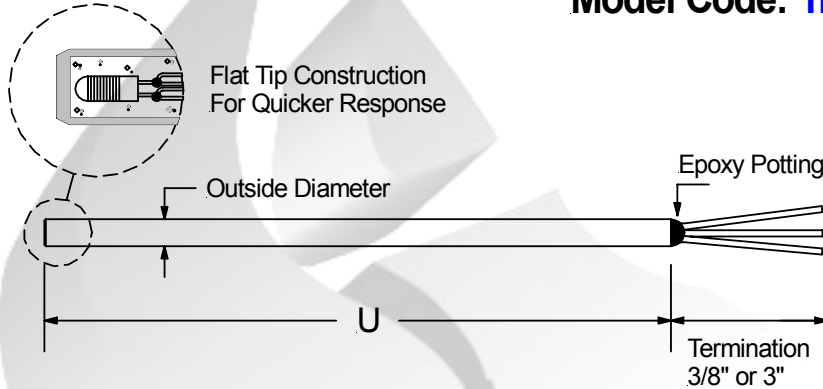
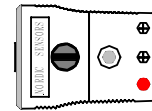
Ceramic RTD Element

Model Code: **1M**

Optional Male Connector



Optional Female Connector



Model:

A

B

C

D

E

F

G

1M

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 <u>0</u> <u>0</u> <u>6</u>	

Example "U" is 6" = 006

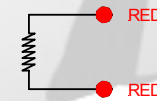
D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

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

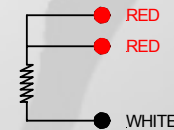
Temperature Coefficient: 0.00385
Platinum element
IEC 751

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

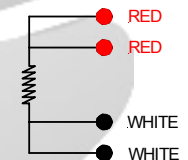
2 Wire Configuration



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.

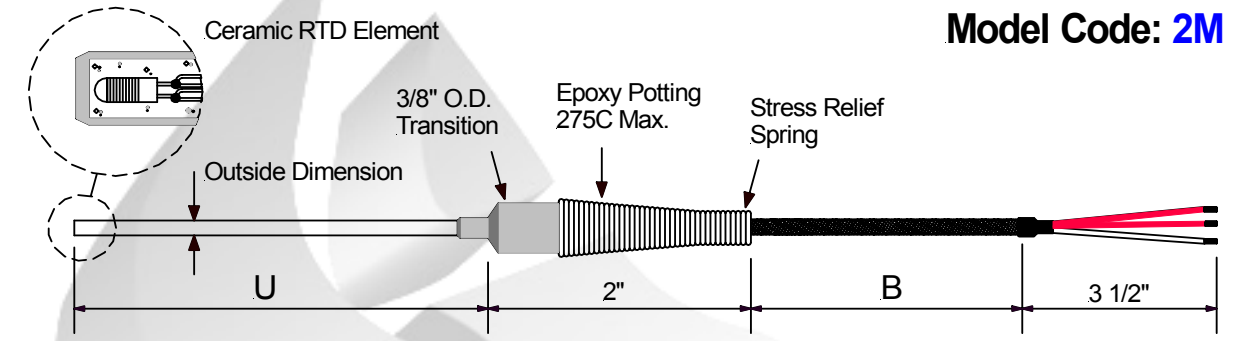
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Mineral Insulated RTD

General Purpose Type

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

Model Code: 2M



Model: **2M**

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

B Sheath Material	
A	304 Stainless
B	316 Stainless

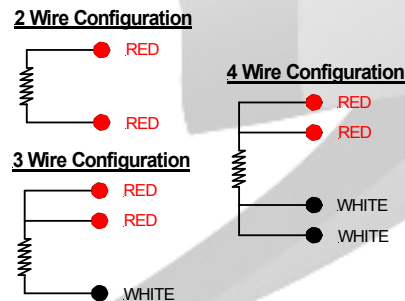
C "U" Dimension	
Specify "U" Length In Inches <u>0 0 6</u>	
Example "U" is 6" = 006	

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	<u>1</u>	<u>2</u>
2 x Pt100	<u>3</u>	<u>4</u>
1 x Pt1000	<u>5</u>	<u>6</u>
2 x Pt1000	<u>7</u>	<u>8</u>

Temperature Coefficient: 0.00385
Platinum element
IEC 751

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



G "B" Dimension	
Specify "B" Length In Inches <u>0 4 8</u>	

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.

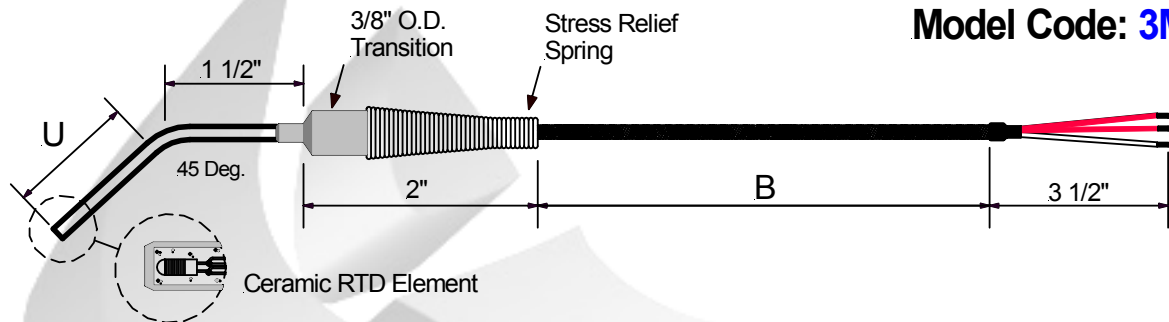
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Mineral Insulated RTD

General Purpose Type: 45 Deg. Bend

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

Model Code: 3M



Model: **A** **B** **C** **D** **E** **F** **G** **H** **I**

3M

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 <u>0 0 6</u>

Example "U" is 6" = 006

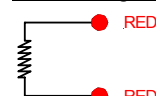
D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

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	

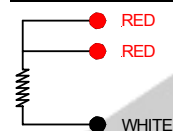
Temperature Coefficient: 0.00385
Platinum element
IEC 751

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

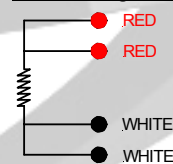
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



G	"B" Dimension
	Specify "B" Length In Inches <u>0 4 8</u>

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.

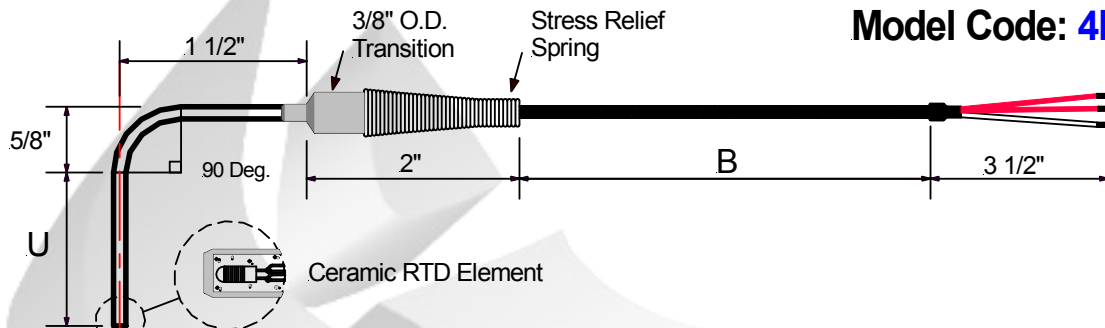
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Mineral Insulated RTD

General Purpose Type: 90 Deg. Bend

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

Model Code: **4M**



Model: A B C D E F G H I

4M

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 <u>0 0 6</u>	
Example "U" is 6" = 006	

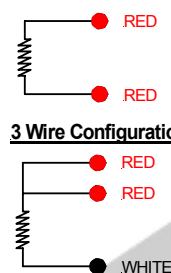
D	"U" Fractional Dimension
A	0.125"
B	0.188"
C	0.250"
D	0.315"
E	0.375"
F	0.500"
G	0.625"
H	0.750"
I	0.875"
N	None

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

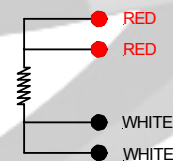
F	RTD Wire Connection
A	2 Wire Configuration
B	3 Wire Configuration
C	4 Wire Configuration

2 Wire Configuration



3 Wire Configuration

4 Wire Configuration



G	"B" Dimension
Specify "B" Length In Inches <u>0 4 8</u>	
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.

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Mineral Insulated RTD

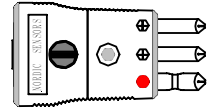
Metric Straight RTD Elements

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

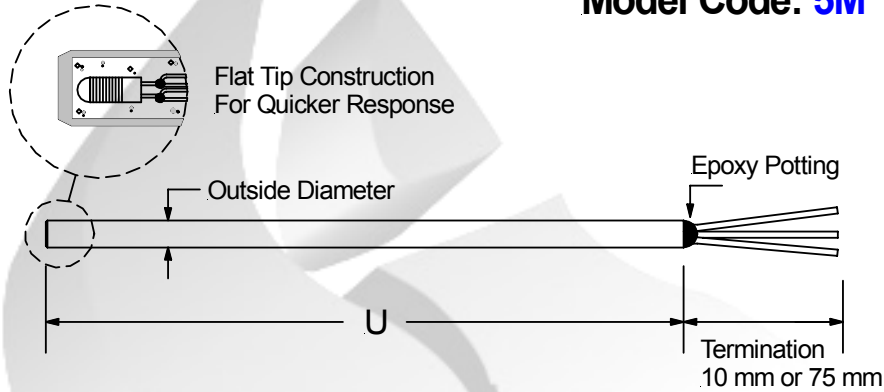
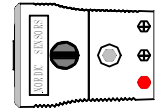
Ceramic RTD Element

Model Code: **5M**

Optional Male Connector



Optional Female Connector



Compression fittings are sold separately. 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	
	<u>Ohms</u>	<u>Class A</u>
1 x Pt100	1	2
2 x Pt100	3	4
1 x Pt1000	5	6
2 x Pt1000	7	8

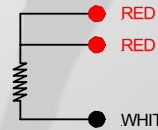
Temperature Coefficient: 0.00385
Platinum Element
IEC 751

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

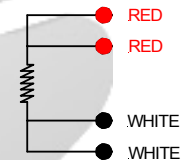
2 Wire Configuration



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.

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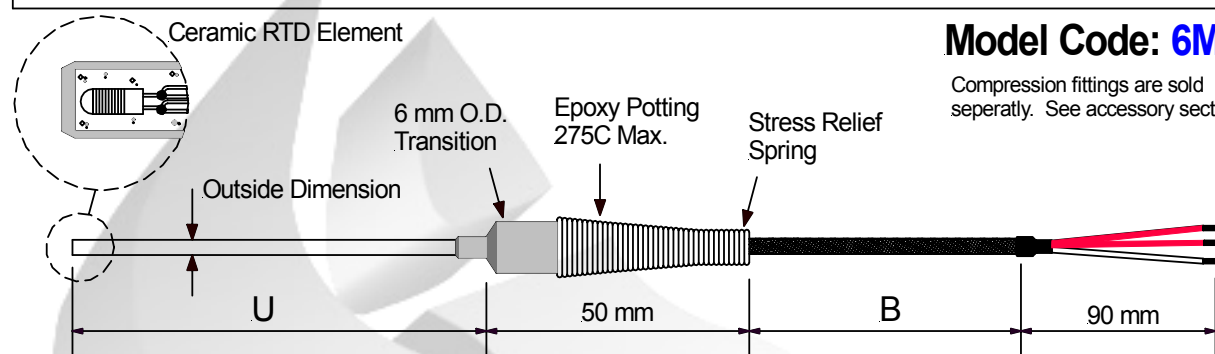
Mineral Insulated RTD

Metric General Purpose Type

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

Model Code: 6M

Compression fittings are sold separately. See accessory section.



Model: **A** **B** **C** **D** **E** **F** **G** **H**

6M

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	
	<u>100</u>

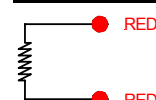
Example "U" is 100 mm = 100

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

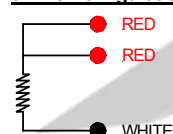
Temperature Coefficient: 0.00385
Platinum element
IEC 751

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

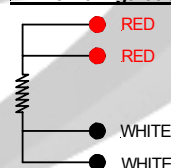
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



F "B" Dimension	
Specify "B" Length In Meters	
	<u>0.2</u>

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, Shielded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Shielded, 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.

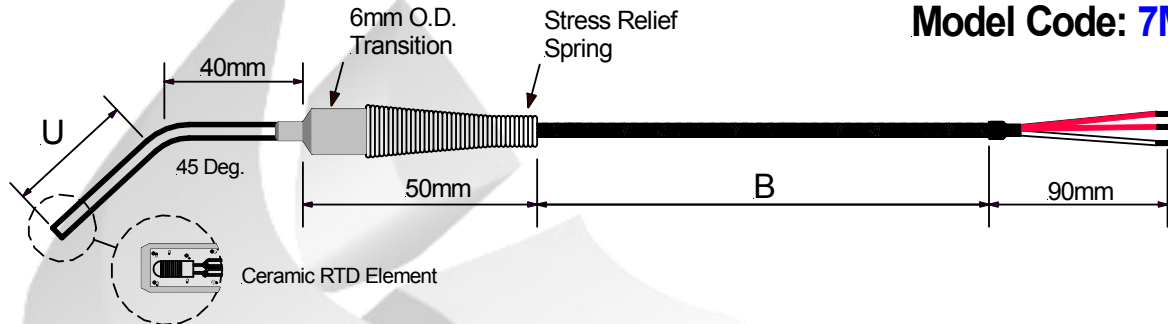
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Mineral Insulated RTD

Metric General Purpose Type: 45 Deg. Bend

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

Model Code: **7M**



Compression fittings are sold separately. See accessory section.

Model: **7M**

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 <u>100</u>	

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 <u>02</u>	

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.

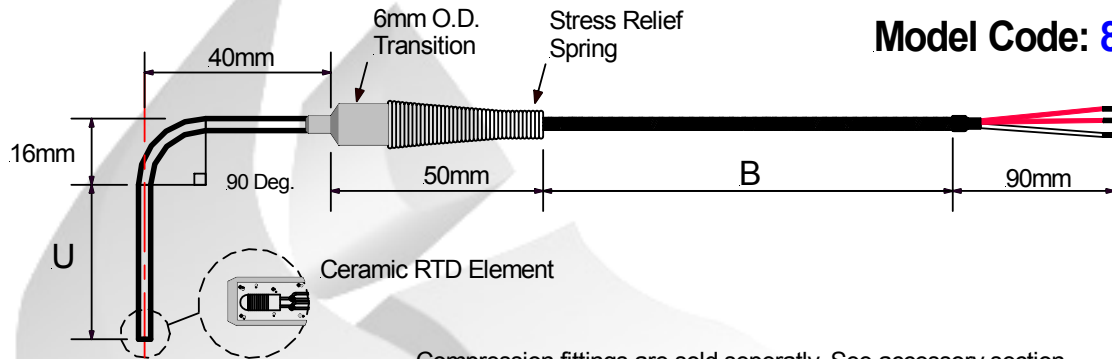
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Mineral Insulated RTD

Metric General Purpose Type: 90 Deg. Bend

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

Model Code: **8M**



Compression fittings are sold separately. See accessory section.

Model: A B C D E F G H

8M

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 <u>1 0 0</u>	

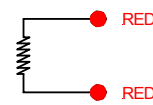
Example "U" is 100 mm = 100

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

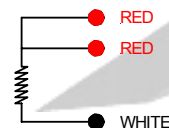
Temperature Coefficient: 0.00385
Platinum element
IEC 751

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

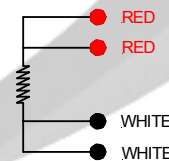
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



F	"B" Dimension
Specify "B" Length In Meters <u>0 2</u>	

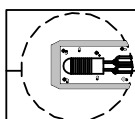
Example "B" is 2 Meters = 02

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, Shielded, Teflon
G	24 gage, Stranded, PVC
H	24 gage, Stranded, Shielded, 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.

Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.

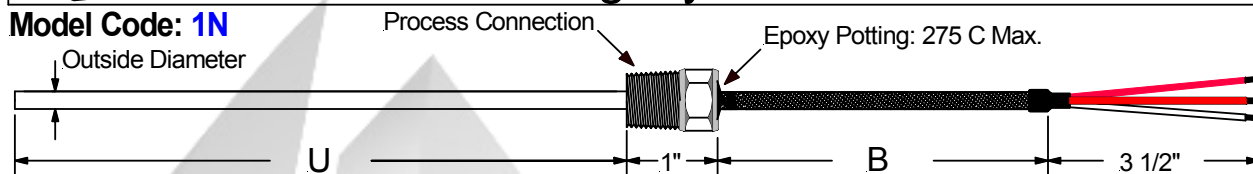


Mineral Insulated RTD

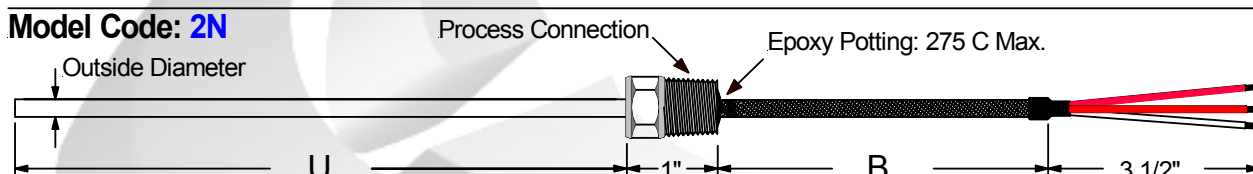
Hex Bushing Style RTD

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

Model Code: **1N**



Model Code: **2N**



Model: A B C D E F G H I J

1N

2N

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 <u>0 0 6</u>
	Example "U" is 6" = 006

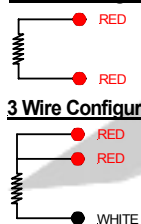
D	"U" Fractional Dimension
A	0.125"
B	0.250"
C	0.375"
D	0.500"
E	0.750"
F	None

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

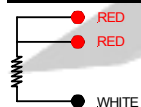
F		RTD Element Type	
Ohms	Class A	Class B	
1 x Pt100	1	2	
2 x Pt100	3	4	
1 x Pt1000	5	6	
2 x Pt1000	7	8	
Temperature Coefficient: 0.00385			
Platinum element			
IEC 751			

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

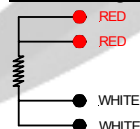
2 Wire Configuration



3 Wire Configuration



4 Wire Configuration



H	"B" Dimension
	Specify "B" Length In Inches <u>0 4 8</u>

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.

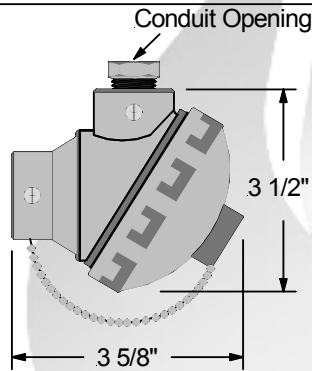
Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.

Mineral Insulated RTD Probe Assembly

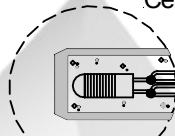
Compression Fitting Mounting Style

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

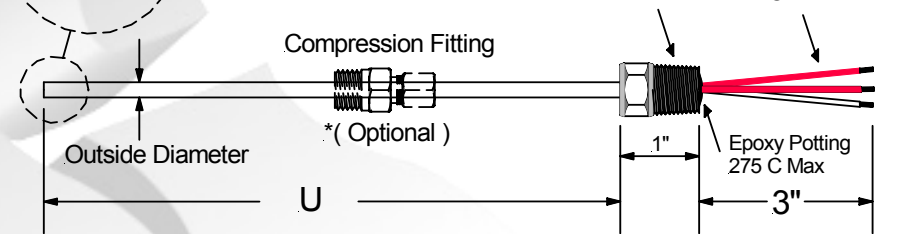
Connection Head



Ceramic RTD Element



Model Code: **3N**



Compression fittings are sold separately. See accessory section.

Model:

3N

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 <u>0 0 6</u>	
Example "U" is 6" = 006	

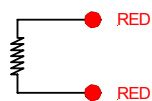
D "U" Fractional Dimension	
A	0.125"
B	0.250"
C	0.375"
D	0.500"
E	0.625"
F	0.750"
G	None

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	

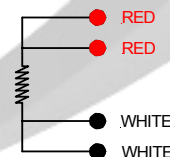
Temperature Coefficient: 0.00385
Platinum element
IEC 751

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

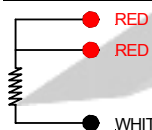
2 Wire Configuration



4 Wire Configuration



3 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

Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.

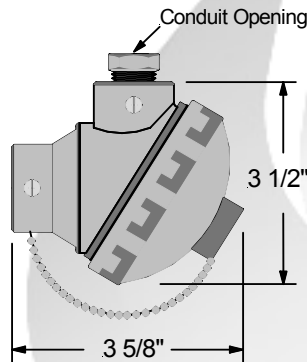
Mineral Insulated RTD Probe Assembly

Hex Nipple Process Style

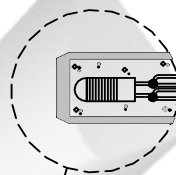
Operating Temperature:
-200 C to +500 C Max.

Model Code: **4N**

Connection Head



Ceramic RTD Element



Outside Diameter

U

Process Connection

20 Gage
Fiberglass Leads

Epoxy Potting
275 C Max

1 3/4"

3"

Model:

4N

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 <u>0 0 6</u>	
Example "U" is 6" = 006	

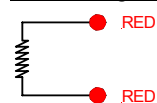
D "U" Fractional Dimension	
A	0.125"
B	0.250"
C	0.375"
D	0.500"
E	0.625"
F	0.750"
G	None

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

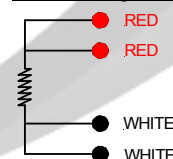
Temperature Coefficient: 0.00385
Platinum element
IEC 751

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

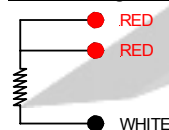
2 Wire Configuration



4 Wire Configuration



3 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	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

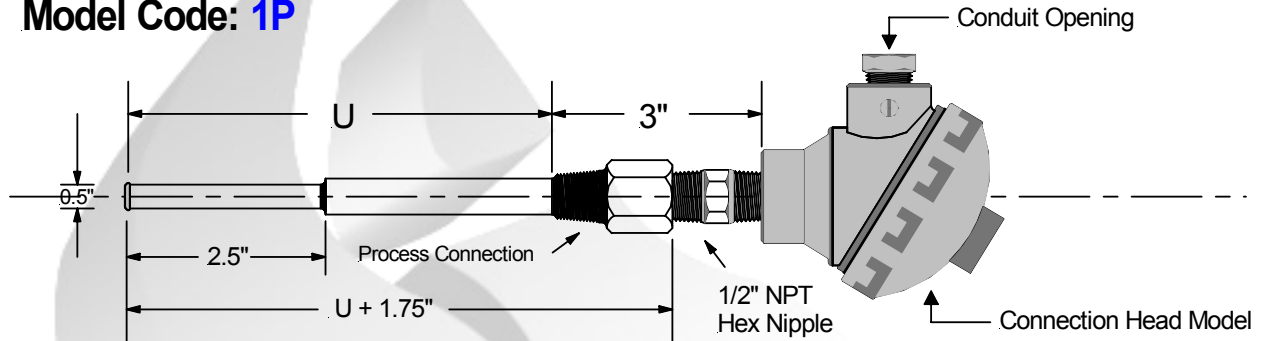
Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.

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	"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

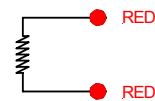
For all other materials contact factory for availability.

C	RTD Element Type		
	<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	

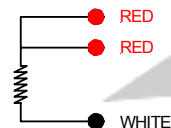
Temperature Coefficient: 0.00385
Platinum element
IEC 751

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

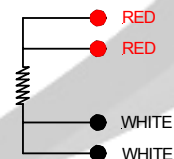
2 Wire Configuration



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

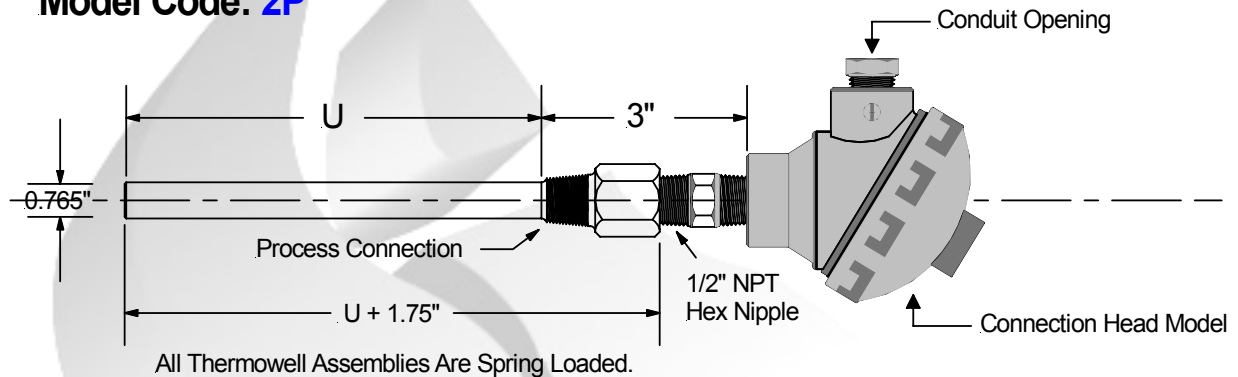
Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.

Mineral Insulated RTD & Thermowell Assembly

Standard Straight Threaded Thermowell

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

Model Code: **2P**



Model:

2P

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.

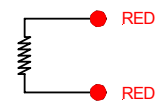
B	Sheath Material
1	304 Stainless
2	316 Stainless
3	Solid Teflon

For all other materials contact factory for availability.

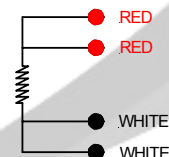
C	RTD Element Type		
	<u>Ohms</u>	<u>Class A</u>	<u>Class B</u>
	1 x Pt100	1	2
	2 x Pt100	3	4
	1 x Pt1000	5	6
	2 x Pt1000	7	8
Temperature Coefficient: 0.00385			
Platinum element			
IEC 751			

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

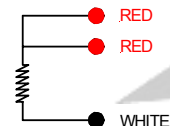
2 Wire Configuration



4 Wire Configuration



3 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

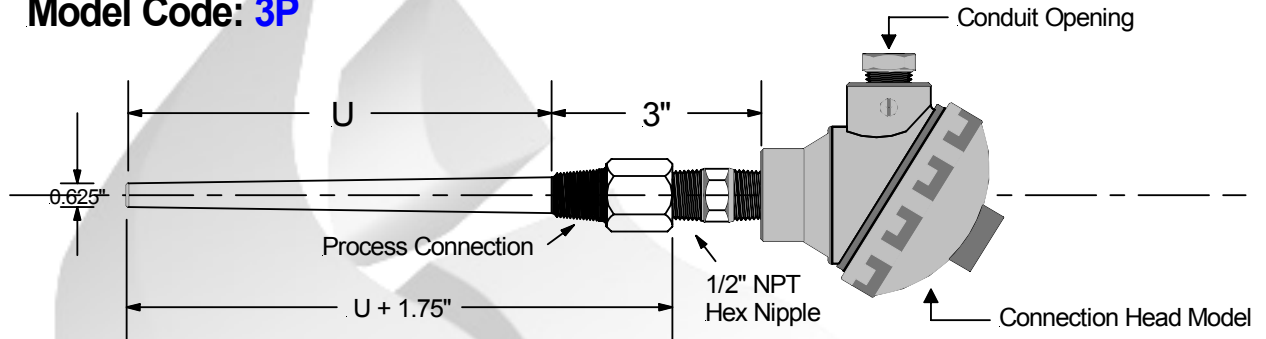
Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.

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	"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

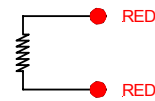
For all other materials contact factory for availability.

C	RTD Element Type		
	<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

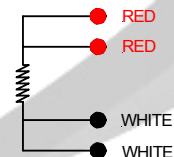
Temperature Coefficient: 0.00385
Platinum element
IEC 751

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

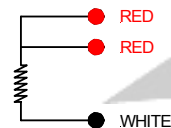
2 Wire Configuration



4 Wire Configuration



3 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

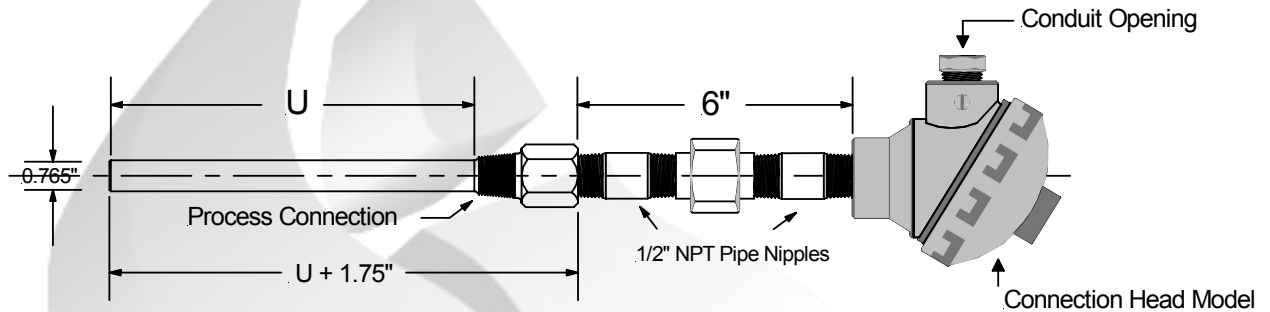
Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.

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:	A	B	C	D	E	F	G	H	I
4P									

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.

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

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

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

2 Wire Configuration	
RED	RED

3 Wire Configuration	
RED	RED
RED	RED
WHITE	WHITE

4 Wire Configuration	
RED	RED
RED	RED
WHITE	WHITE
WHITE	WHITE

Nordic Sensors Ind. Inc. Tel: 1-888-667-3421 & Fax: 1-888-867-9986.