

MINERAL INSULATED THERMOCOUPLES

Thermocouple Ordering Information

Style 'A'



Part #:	MTC-A- <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	*SP = Special Limits of Error If standard limits of error is desired, omit this field.
	Sheath Diameter (Table 1) Calibration (Table 2) Sheath Material (Table 3) Junction (Table 4) Length (inches) SP*	

NOTE: Dual Element Style is notated as 'AA'

NOTE: For any additional modifications to this assembly, add "-MOD" to the end of the part number and provide a physical description of the modification.

**Table 1
Sheath Diameter**

P/N	Description
010	.010 inches
020	.020 inches
032	.032 inches
040	.040 inches
063	.063 inches
090	.090 inches
125	.125 inches
188	.188 inches
250	.250 inches
313	.313 inches
375	.375 inches
XXX	Special

**Table 2
Calibration**

P/N	Description
1	Type 'J'
2	Type 'K'
3	Type 'T'
4	Type 'E'
5	Type 'R'
6	Type 'S'
7	Type 'B'
8	Type 'N'
X	Special

**Table 3
Sheath Material**

P/N	Description
1	Alloy 600
2	304 S.S.
3	316 S.S.
4	310 S.S.
5	321 S.S.
6	446 S.S.
7	MI2300
X	Special

**Table 4
Junction**

P/N	Description
E	Exposed
G	Grounded
U	Ungrounded
EE	Dual Exposed
GG	Dual Grounded
UU	Uncommon-Ungrounded
CU	Common-Ungrounded

Example:

Single Element MTC-A-06321-U-012-SP

Style A, .063" φ, Type 'K', Alloy 600 sheath, ungrounded junction, 12" active length, special limits of error.

Dual Element: MTC-AA-06321-UU-012-SP

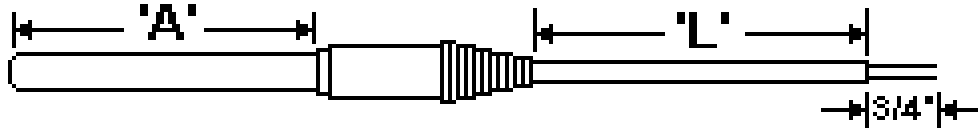
Style A, .063" φ, Type 'K', Alloy 600 sheath, uncommon-ungrounded junction, 12" active length, special limits of error.



MINERAL INSULATED THERMOCOUPLES

Thermocouple Ordering Information

Style 'B'



Part #: MTC-B- <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/>								*SP = Special Limits of Error
Sheath Diameter (Table 1)	Calibration (Table 2)	Sheath Material (Table 3)	Junction (Table 4)	Sheath Length (inches)	Lead Length (inches)	SP*	Cold End Termination	If standard limits of error is desired, omit this field.

NOTE: Dual Element Style is notated as 'BB'

NOTE: For any additional modifications to this assembly, add "-MOD" to the end of the part number and provide a physical description of the modification.

Table 1
Sheath Diameter

P/N	Description
010	.010 inches
020	.020 inches
032	.032 inches
040	.040 inches
063	.063 inches
090	.090 inches
125	.125 inches
188	.188 inches
250	.250 inches
313	.313 inches
375	.375 inches
XXX	Special

Table 2
Calibration

P/N	Description
1	Type 'J'
2	Type 'K'
3	Type 'T'
4	Type 'E'
5	Type 'R'
6	Type 'S'
7	Type 'B'
8	Type 'N'
X	Special

Table 3
Sheath Material

P/N	Description
1	Alloy 600
2	304 S.S.
3	316 S.S.
4	310 S.S.
5	321 S.S.
6	446 S.S.
7	MI2300
X	Special

Table 4
Junction

P/N	Description
E	Exposed
G	Grounded
U	Ungrounded
EE	Dual Exposed
GG	Dual Grounded
UU	Uncommon-Ungrounded
CU	Common-Ungrounded

Table 5
Cold End Termination

P/N	Description
P	Standard Plug
A	Standard Plug
B	Hi-Temp Plug
C	Ceramic Plug
D	Miniature Plug
E	Miniature Hi-Temp Plug
F	Miniature Ceramic Plug
G	Standard Jack
H	Hi-Temp Jack
J	Ceramic Jack
K	Miniature Jack
L	Miniature Hi-Temp Jack
M	Miniature Ceramic Jack
N	Spade Lug
P	Ring Lug
R	Stripped Leads Only
X	Special

Example:

Single Element MTC-B-06321-U-012-048-SP-A

Style B, .063" ϕ , Type 'K', Alloy 600 sheath, ungrounded junction, 12" active length, 48" lead length, special limits of error, standard male connector.

Dual Element: MTC-BB-06321-UU-012-048-SP-AA

Style B, .063" ϕ , Type 'K', Alloy 600 sheath, uncommon-ungrounded junction, 12" active length, 48" lead length, special limits of error, dual standard male connectors.



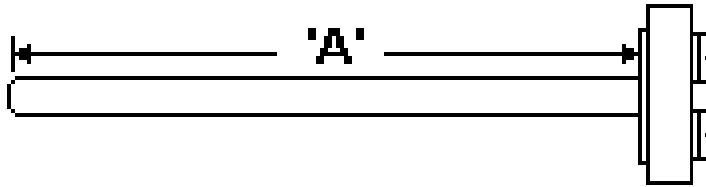
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MINERAL INSULATED THERMOCOUPLES

Thermocouple Ordering Information

Style 'C'



Part #:	MTC-C- <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td></tr> </table> - <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td></tr> </table> - <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td></tr> </table> - <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td><td style="width: 15px; height: 15px;"> </td></tr> </table>																					<p>*SP = Special Limits of Error</p> <p>If standard limits of error is desired, omit this field.</p>
	<p style="text-align: center;"> <table border="0" style="width: 100%; text-align: center;"> <tr> <td style="width: 15%;">Sheath Diameter (Table 1)</td> <td style="width: 15%;">Calibration (Table 2)</td> <td style="width: 15%;">Sheath Material (Table 3)</td> <td style="width: 15%;">Junction (Table 4)</td> <td style="width: 15%;">Length (inches)</td> <td style="width: 15%;">SP*</td> </tr> </table> </p>	Sheath Diameter (Table 1)	Calibration (Table 2)	Sheath Material (Table 3)	Junction (Table 4)	Length (inches)	SP*															
Sheath Diameter (Table 1)	Calibration (Table 2)	Sheath Material (Table 3)	Junction (Table 4)	Length (inches)	SP*																	

NOTE: Dual Element Style is notated as 'CC'

NOTE: For any additional modifications to this assembly, add "-MOD" to the end of the part number and provide a physical description of the modification.

Table 1
Sheath Diameter

P/N	Description
010	.010 inches
020	.020 inches
032	.032 inches
040	.040 inches
063	.063 inches
090	.090 inches
125	.125 inches
188	.188 inches
250	.250 inches
313	.313 inches
375	.375 inches

Table 2
Calibration

P/N	Description
1	Type 'J'
2	Type 'K'
3	Type 'T'
4	Type 'E'
5	Type 'R'
6	Type 'S'
7	Type 'B'
8	Type 'N'
X	Special

Table 3
Sheath Material

P/N	Description
1	Alloy 600
2	304 S.S.
3	316 S.S.
4	310 S.S.
5	321 S.S.
6	446 S.S.
7	MI2300
X	Special

Table 4
Junction

P/N	Description
E	Exposed
G	Grounded
U	Ungrounded
EE	Dual Exposed
GG	Dual Grounded
UU	Uncommon-Ungrounded
CU	Common-Ungrounded

Example:

Single Element MTC-C-06321-U-012-SP

Style C, .063" ϕ , Type 'K', Alloy 600 sheath, ungrounded junction,
12" active length, special limits of error.

Dual Element: MTC-CC-06321-UU-012-SP

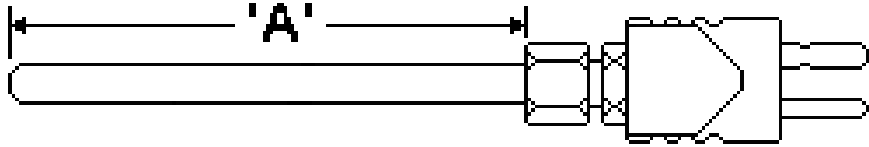
Style C, .063" ϕ , Type 'K', Alloy 600 sheath, uncommon-ungrounded junction,
12" active length, special limits of error.



MINERAL INSULATED THERMOCOUPLES

Thermocouple Ordering Information

Style 'D'



Part #:	MTC-D-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	*SP = Special Limits of Error If standard limits of error is desired, omit this field. *HT = Hi-Temp Connector If standard connector is desired, omit this field.
		Sheath Diameter (Table 1)	Calibration (Table 2)	Sheath Material (Table 3)	Junction (Table 4)	Length (inches)	SP*	HT*						

NOTE: Dual Element Style is notated as 'DD'

NOTE: For any additional modifications to this assembly, add "-MOD" to the end of the part number and provide a physical description of the modification.

**Table 1
Sheath Diameter**

P/N	Description
010	.010 inches
020	.020 inches
032	.032 inches
040	.040 inches
063	.063 inches
090	.090 inches
125	.125 inches
188	.188 inches
250	.250 inches
313	.313 inches
375	.375 inches

**Table 2
Calibration**

P/N	Description
1	Type 'J'
2	Type 'K'
3	Type 'T'
4	Type 'E'
5	Type 'R'
6	Type 'S'
7	Type 'B'
8	Type 'N'
X	Special

**Table 3
Sheath Material**

P/N	Description
1	Alloy 600
2	304 S.S.
3	316 S.S.
4	310 S.S.
5	321 S.S.
6	446 S.S.
7	MI2300
X	Special

**Table 4
Junction**

P/N	Description
E	Exposed
G	Grounded
U	Ungrounded
EE	Dual Exposed
GG	Dual Grounded
UU	Uncommon-Ungrounded
CU	Common-Ungrounded

Example:

Single Element MTC-D-06321-U-012-SP-HT

Style D, .063" φ, Type 'K', Alloy 600 sheath, ungrounded junction, 12" active length, special limits of error, hi-temp male connector.

Dual Element: MTC-DD-06321-UU-012-SP-HT

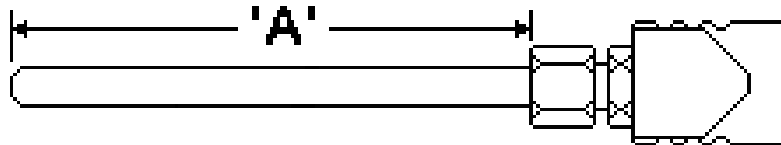
Style D, .063" φ, Type 'K', Alloy 600 sheath, uncommon-ungrounded junction, 12" active length, special limits of error, hi-temp male connectors.



MINERAL INSULATED THERMOCOUPLES

Thermocouple Ordering Information

Style 'G'



Part #:	MTC-G- <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div>	<p>*SP = Special Limits of Error</p> <p>If standard limits of error is desired, omit this field.</p> <p>*HT = Hi-Temp Connector</p> <p>If standard connector is desired, omit this field.</p>
	<div style="display: flex; justify-content: space-around; font-size: small;"> <div style="text-align: center;">Sheath Diameter (Table 1)</div> <div style="text-align: center;">Calibration (Table 2)</div> <div style="text-align: center;">Sheath Material (Table 3)</div> <div style="text-align: center;">Junction (Table 4)</div> <div style="text-align: center;">Length (inches)</div> <div style="text-align: center;">SP*</div> <div style="text-align: center;">HT*</div> </div>	

NOTE: Dual Element Style is notated as 'GG'

NOTE: For any additional modifications to this assembly, add "-MOD" to the end of the part number and provide a physical description of the modification.

Table 1
Sheath Diameter

P/N	Description
010	.010 inches
020	.020 inches
032	.032 inches
040	.040 inches
063	.063 inches
090	.090 inches
125	.125 inches
188	.188 inches
250	.250 inches
313	.313 inches
375	.375 inches

Table 2
Calibration

P/N	Description
1	Type 'J'
2	Type 'K'
3	Type 'T'
4	Type 'E'
5	Type 'R'
6	Type 'S'
7	Type 'B'
8	Type 'N'
X	Special

Table 3
Sheath Material

P/N	Description
1	Alloy 600
2	304 S.S.
3	316 S.S.
4	310 S.S.
5	321 S.S.
6	446 S.S.
7	MI2300
X	Special

Table 4
Junction

P/N	Description
E	Exposed
G	Grounded
U	Ungrounded
EE	Dual Exposed
GG	Dual Grounded
UU	Uncommon-Ungrounded
CU	Common-Ungrounded

Example:

Single Element MTC-G-06321-U-012-SP-HT

Style G, .063" φ, Type 'K', Alloy 600 sheath, ungrounded junction, 12" active length, special limits of error, hi-temp female connector.

Dual Element: MTC-GG-06321-UU-012-SP-HT

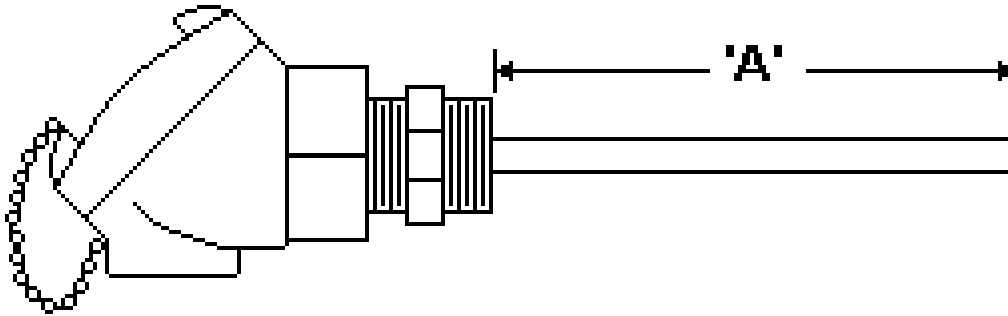
Style G, .063" φ, Type 'K', Alloy 600 sheath, uncommon-ungrounded junction, 12" active length, special limits of error, hi-temp female connectors.



MINERAL INSULATED THERMOCOUPLES

Thermocouple Ordering Information

Style 'H'



Part #: MTC-H-

Sheath Diameter (Table 1) Calibration (Table 2) Sheath Material (Table 3) Junction Length (inches) (Table 4) SP* Process Fitting Head Style

*SP = Special Limits of Error

If standard limits of error is desired, omit this field.

NOTE: Dual Element Style is notated as 'HH'

NOTE: For any additional modifications to this assembly, add "-MOD" to the end of the part number and provide a physical description of the modification.

Table 1
Sheath Diameter

P/N	Description
010	.010 inches
020	.020 inches
032	.032 inches
040	.040 inches
063	.063 inches
090	.090 inches
125	.125 inches
188	.188 inches
250	.250 inches
313	.313 inches
375	.375 inches

Table 2
Calibration

P/N	Description
1	Type 'J'
2	Type 'K'
3	Type 'T'
4	Type 'E'
5	Type 'R'
6	Type 'S'
7	Type 'B'
8	Type 'N'
X	Special

Table 3
Sheath Material

P/N	Description
1	Alloy 600
2	304 S.S.
3	316 S.S.
4	310 S.S.
5	321 S.S.
6	446 S.S.
7	MI2300
X	Special

Table 4
Junction

P/N	Description
E	Exposed
G	Grounded
U	Ungrounded
EE	Dual Exposed
GG	Dual Grounded
UU	Uncommon-Ungrounded
CU	Common-Ungrounded
X	Special

Table 5
Process Fitting

P/N	Description
A	1/4" NPT
B	3/8" NPT
C	1/2" NPT
D	3/4" NPT
E	1" NPT
F	1 1/4" NPT
G	1 1/2" NPT
H	None
X	Special

Table 6
Connection Head

P/N	Description
A	Cast Aluminum
B	Miniature Aluminum
C	Cast Iron
D	Polypropylene
E	Miniature Plastic
F	Explosion Proof
G	Canister Style
X	Special

Example:

Single Element MTC-H-06321-U-012-SP-C-A

Style H, .063" ϕ , Type 'K', Alloy 600 sheath, ungrounded junction, 12" active length, special limits of error, 1/2" NPT process threads, cast aluminum head.

Dual Element: MTC-HH-06321-UU-012-SP-C-A

Style H, .063" ϕ , Type 'K', Alloy 600 sheath, uncommon-ungrounded junction, 12" active length, special limits of error, 1/2" NPT process threads, cast aluminum head.



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