

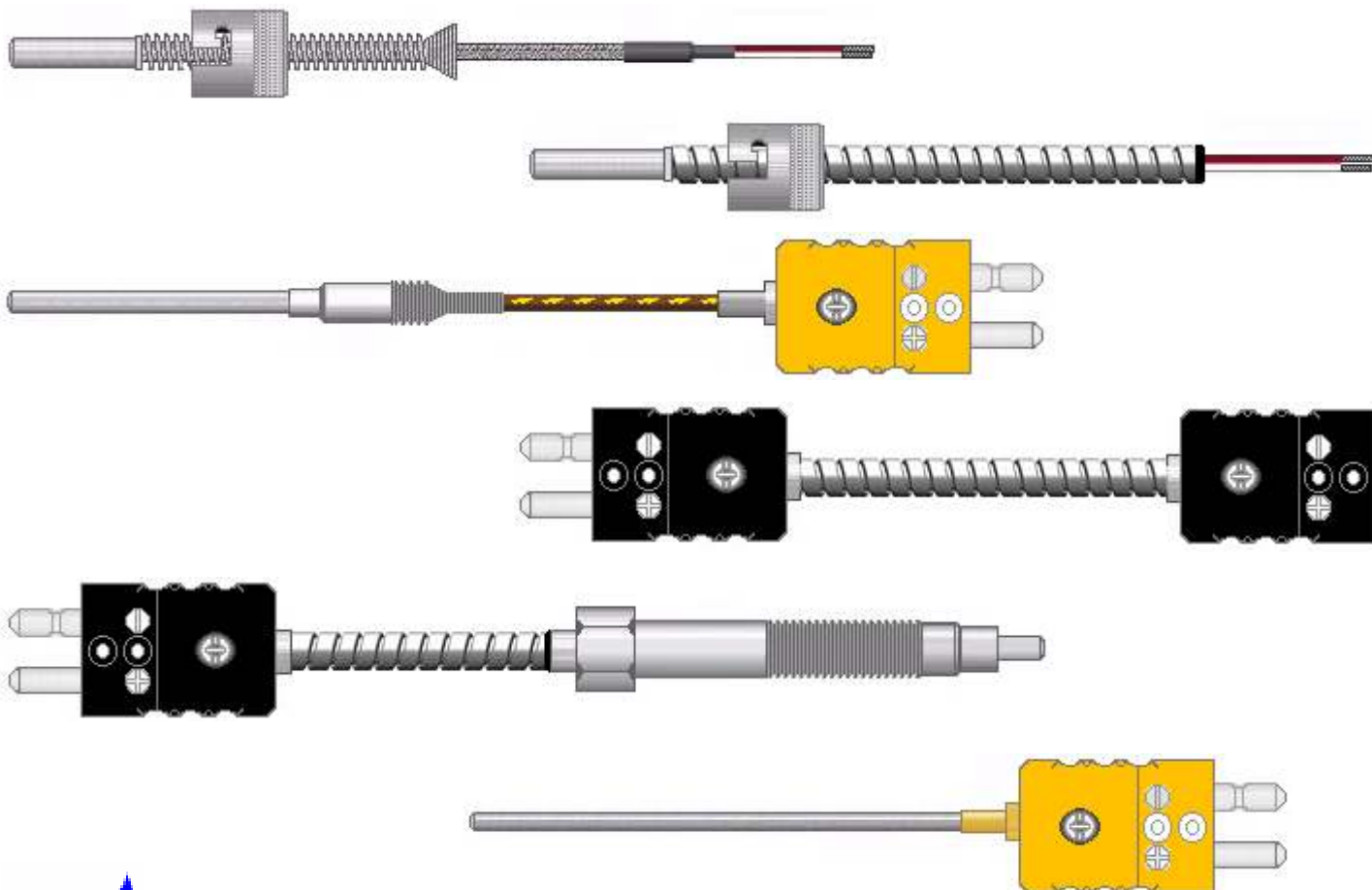


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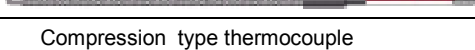
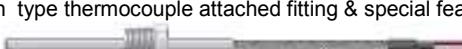

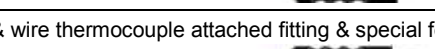
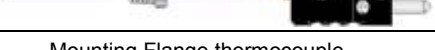







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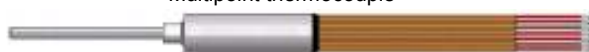

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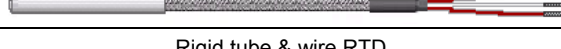
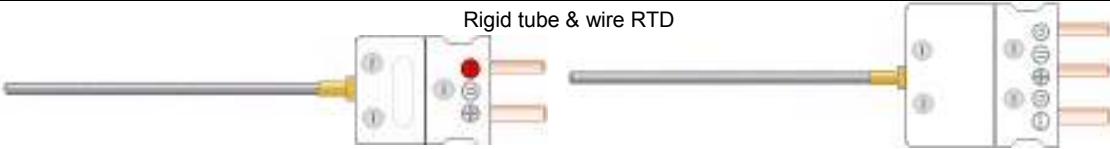






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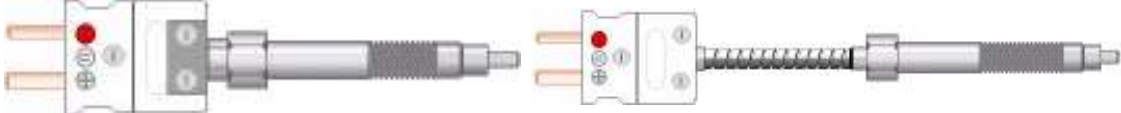


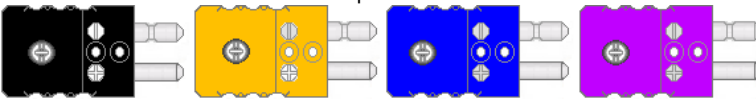
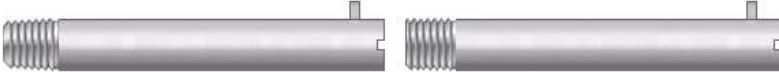
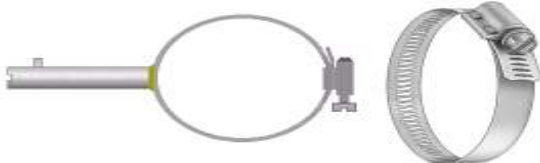



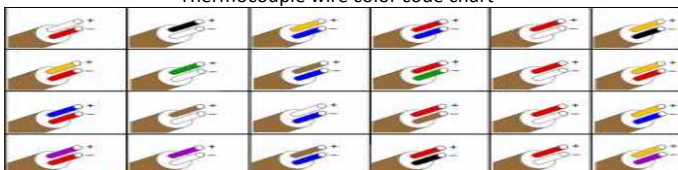




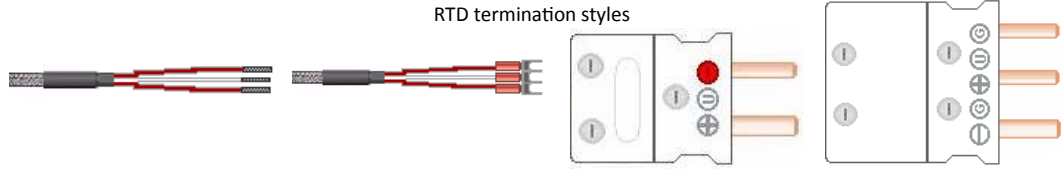


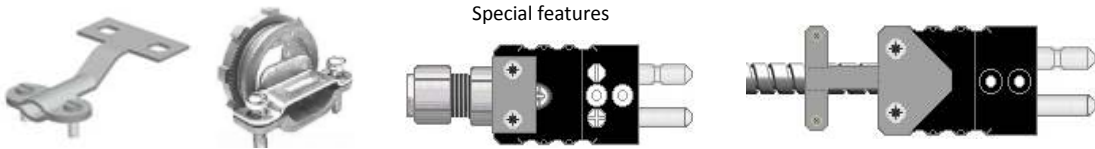
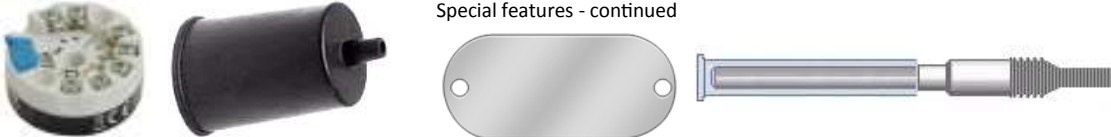
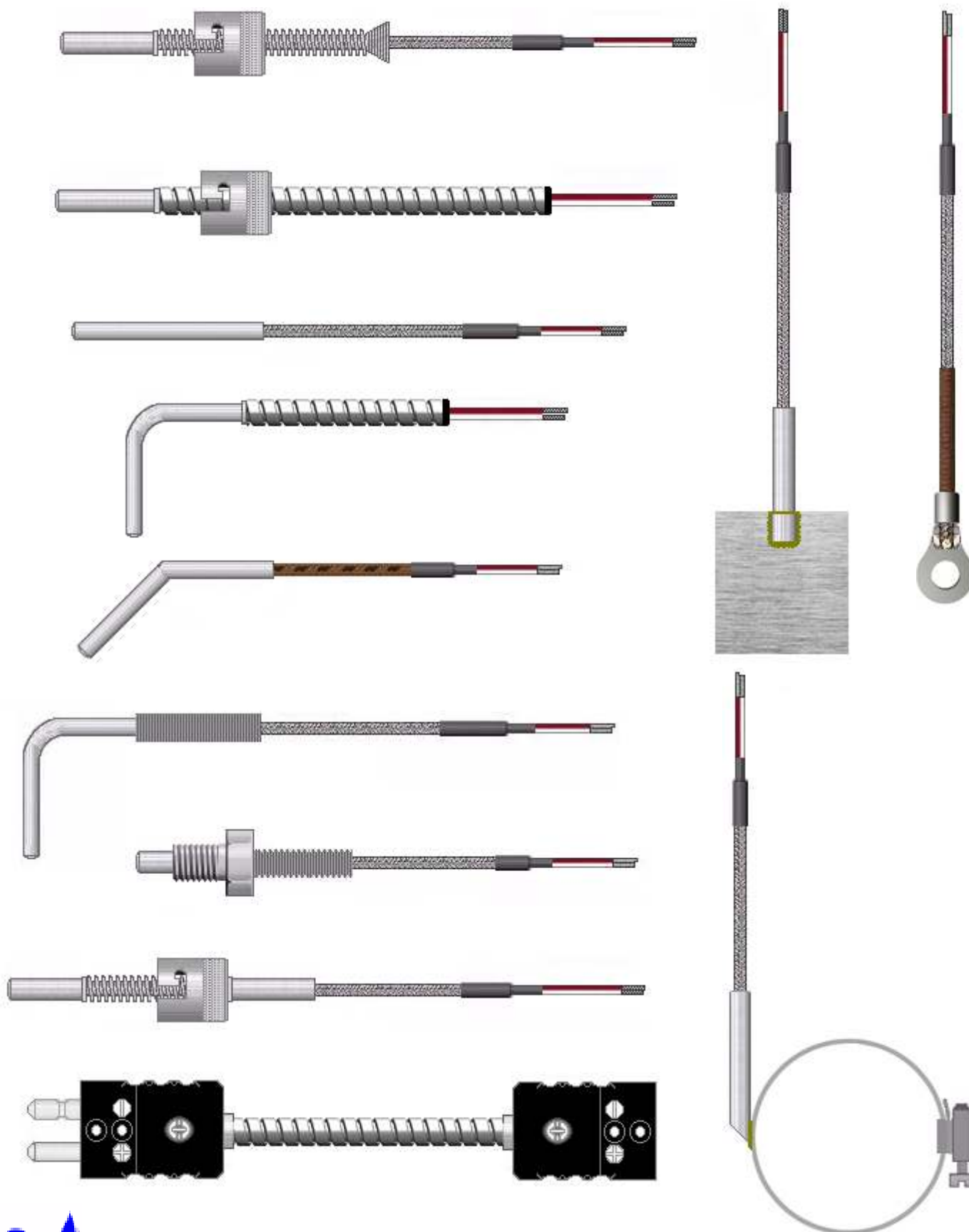
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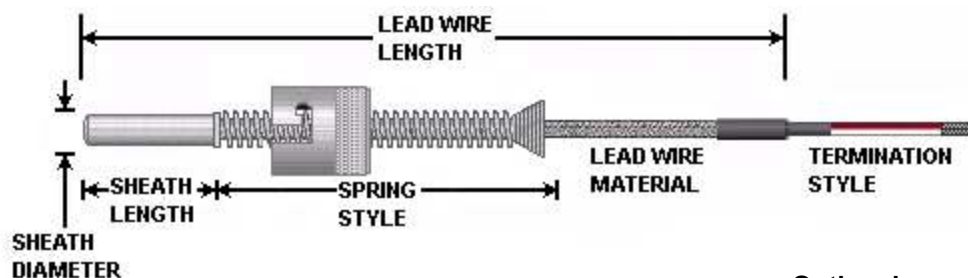
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General purpose tube & wire Thermocouples



East Coast Sensors

Adjustable bayonet spring thermocouple Series TA1



Ordering Information Part Number

① TA1	② Calibration	③ Sheath Diameter	④ Sheath Length (In.)	⑤ Junction	⑥ Lead wire material	⑦ Lead wire Length (In.)	⑧ Cap/Spring style	⑨ Termination Style
TA1								

Optional

⑩ Special features

② Calibration
J Type J (standard)
K Type K
T Type T
E Type E

③ Sheath Diameter
G .118" (3mm)
H .125" (3.2mm) (1/8")
J .156" (4mm)
L .188" (4.6mm) (3/16") (standard)
M .236" (6mm)
N .250" (6.4mm) (1/4")
P .314" (8mm) (5/16")
Note Sizes for reference only (standard tolerances apply)
Note For other diameters consult factory

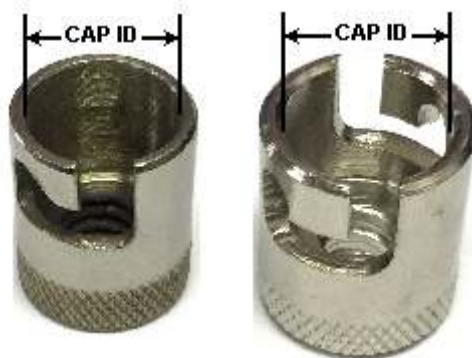
④ Sheath Length (in.)
R 1/4"
S 3/8" (standard)
W 1/2"
X 5/8"
Y 3/4"
Z 1"

⑤ Junction
G Grounded (standard)
U Ungrounded
W Grounded (Dual Junction)
Z Ungrounded common (Dual Junction)

⑥ Lead wire material
A Fiberglass (800°F)
B Teflon FEP (400°F)
C Kapton (500°F)
E High temperature fiberglass (1200°F)
F Fiberglass with stainless steel braid (800°F) (standard)
G Teflon FEP with stainless steel braid (400°F)
Note Wire gauge determined by ECS based on sheath diameter. For special requirements consult factory

⑦ Lead wire length (in.)
012"-960" Specify in Inches
Note Over 960" contact factory

⑧ Cap/ Spring style
P 7/16" ID Single slot (standard cap) / 1/4"OD x 10" spring
Q 12.5mm ID double slot / 1/4"OD x 10" spring
R 14.7mm ID double slot / 1/4"OD x 10" spring
S 7/16" ID Single slot (standard cap) / 1/4"OD x 6" spring
T 12.5mm ID double slot / 1/4"OD x 6" spring
W 14.7mm ID double slot / 1/4"OD x 6" spring



⑨ Termination style
A 2" stripped leads (bare ends)
B 2" stripped leads w/ spade lugs
C Standard male plug (400°F)
D High temp male Plug (660°F)
E Max temp male Plug (800°F)
G Solid pin plug (400°F)
H Standard female jack (400°F)
J Miniature plug (400°F)
K Miniature jack (400°F)
L 2" stripped leads w/ #6 Ring terminals
M 2 Standard male plugs (dual junctions) (400°F)
N Standard 3 pin plug w/ ground wire (400°F)
P Dual molded male connector (400°F)
W 2" stripped leads w/ wire ferrules (pin terminals)
X Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240" 006"-240" Specify in Inches

⑩ Special features (Optional)
Note Leave blank for no special features
01 Solid conductor (Lead wire)
04 Flat tip probe
05 Drill point tip
06 Epoxy seal
07 Cable clamp
08 Bx Connector
09 Mating connector
11 International IEC 584-3 color coded leads
12 British color coded leads
13 German color coded leads
14 Japanese color coded leads
15 Reverse polarity color coded leads
16 French color coded leads
18 Moisture protection boot on connector
Note For color code chart see pg. 62

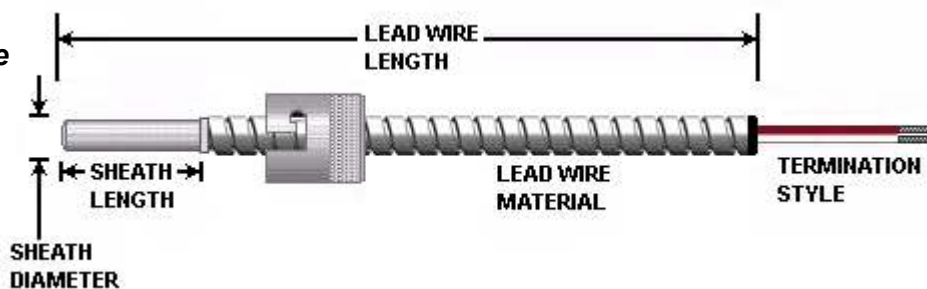
- Adjustable spring style thermocouples fit a wide variety of hole depths
- Cap spins over entire length of spring
- Spring has an OD of .254"
- 20 AWG stranded wire comes standard for .156" and larger
- 24 AWG stranded wire comes standard for .125" and .118"

For bayonet adapters see pg. 56
For special features see pg. 70-71



East Coast Sensors

Adjustable bayonet flexible armor cable thermocouple Series TA2



Ordering Information Part Number

① TA2	② Calibration	③ Sheath Diameter	④ Sheath Length (In.)	⑤ Junction	⑥ Lead wire material (inside armor)	⑦ Lead wire length (In.)	⑧ Armor OD/ Cap Size	⑨ Termination Style	⑩ Special Features
TA2									

② Calibration
J Type J (standard)
K Type K
T Type T
E Type E

⑤ Junction
G Grounded (standard)
U Ungrounded
W Grounded (Dual Junction)
Z Ungrounded (Dual Junction)

⑨ Termination style
A 2" stripped leads (bare ends)
B 2" stripped leads w/ spade lugs
C Standard male plug (400°F)
D High temp male Plug (660°F)
E Max temp male Plug (800°F)
G Solid pin plug (400°F)
H Standard female jack (400°F)
J Miniature plug (400°F)
K Miniature jack (400°F)
L 2" stripped leads w/ #6 Ring terminals
M 2 Standard male plugs (dual junctions) (400°F)
N Standard 3 pin plug w/ ground wire (400°F)
P Dual molded male connector (400°F)
W 2" stripped leads w/ wire ferrules (pin terminals)
X Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240" 006"-240" Specify in Inches

③ Sheath Diameter
G .118" (3mm)
H .125" (3.2mm) (1/8")
J .156" (4mm)
L .188" (4.6mm) (3/16") (standard)
M .236" (6mm)
N .250" (6.4mm) (1/4")
P .314" (8mm) (5/16")
Note Sizes for reference only (standard tolerances apply)
Note For other diameters consult factory

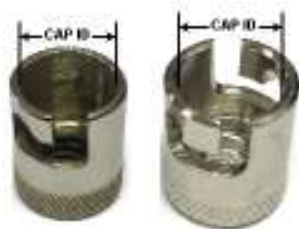
⑥ Lead wire material (inside armor cable)
H Fiberglass with armor cable (800°F) (standard)
J Teflon FEP with armor cable (400°F)
K Kapton with armor cable (500°F)
M Fiberglass with stainless steel braid with armor cable (800°F)
W Teflon FEP with stainless steel braid with armor cable (400°F)
L High temperature fiberglass with armor cable (1200°F)
Note Wire gauge determined by ECS based on sheath diameter. For special requirements consult factory

⑦ Lead wire length (In.)
012"-600" Specify in Inches
Note Over 600" contact factory

④ Sheath Length (In.)
R 1/4"
S 3/8" (standard)
W 1/2"
X 5/8"
Y 3/4"
Z 1"

⑧ Armor cable diameter/ Cap Size
A .275"OD/ 7/16" ID single slot (standard cap)
B .210"OD/ 7/16" ID single slot (standard cap)
C .275"OD/ 12.5 mm ID double slot (Metric cap)
D .210"OD/ 12.5 mm ID double slot (Metric cap)
E .234"OD/ 7/16" ID single slot (standard cap)
F .234" OD/ 13 mm ID single slot Werner Pfleiderer cap

⑩ Special features (Optional)
Note Leave blank for no special features
01 Solid conductor (Lead wire)
04 Flat tip probe
05 Drill point tip
06 Epoxy seal (500°F)
07 Cable clamp
08 Bx Connector
09 Mating connector
11 International IEC 584-3 color coded leads
12 British color coded leads
13 German color coded leads
14 Japanese color coded leads
15 Reverse polarity color coded leads
16 French color coded leads
18 Moisture protection boot on connector
Note For color code chart see pg.62



- Adjustable armor style thermocouples fit a wide variety of hole depths
- Cap spins over entire length of armor. Armor is .265" OD
- ECS custom designed armor cable compresses & decompresses easily, ideal for extrusion applications
- 20 AWG stranded wire comes standard for .156" and larger
- 24 AWG stranded wire comes standard for .125" and .118"

For bayonet adapters see pg. 56

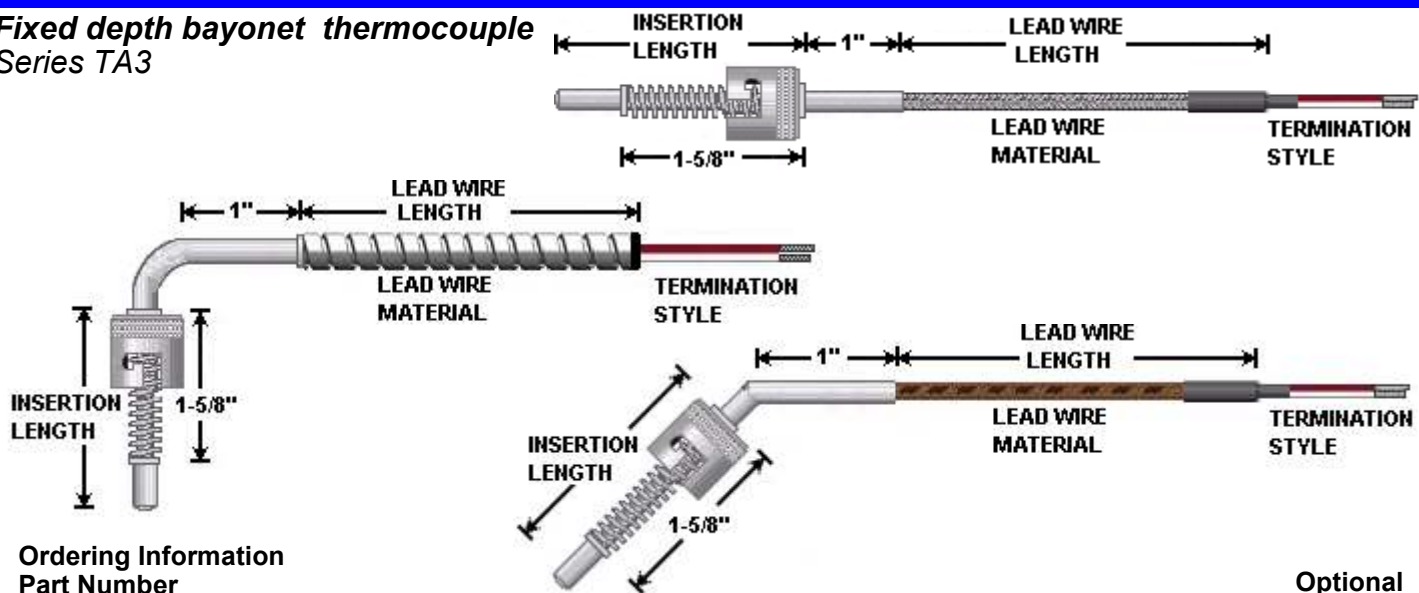
For special features see pg. 70-71



Contact factory for other configurations 800-722-4592

East Coast Sensors

Fixed depth bayonet thermocouple Series TA3



Ordering Information Part Number

① TA3	② Calibration	③ Sheath Diameter	④ Sheath Config./ Cap Size	⑤ Insertion Length (whole in.)	⑥ Insertion Length (fractional in.)	⑦ Junction	⑧ Lead wire material	⑨ Lead Wire Length (in.)	⑩ Termination Style	⑪ Special Features
TA3										

Optional

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E

⑦	Junction
G	Grounded (standard)
U	Ungrounded
W	Grounded (Dual Junction)
Z	Ungrounded (Dual Junction)

⑩	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
J	Miniature plug (400°F)
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)
W	2" stripped leads w/ wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) <i>(specify extra long lead wire length below)</i>
006"-240"	006"-240" Specify in Inches

③	Sheath Diameter
F	.125" (3.2mm) (1/8")
H	.188" (4.6mm) (3/16") (standard)
Note	Sizes for reference only (standard tolerances apply)

⑧	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
F	Fiberglass with stainless steel braid (800°F)(standard)
G	Teflon FEP with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
M	Fiberglass with stainless steel braid with armor cable (800°F)
Note	Wire gauge determined by ECS based on sheath diameter

⑤	Insertion Length (whole in.)
02"-20"	Specify in Inches

⑨	Lead wire length (in.)
012"-600"	Specify in Inches
Note	Over 600" contact factory

⑥	Insertion Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

- 20 AWG stranded wire comes standard for .156" and larger
- 24 AWG stranded wire comes standard for .125" and .118"

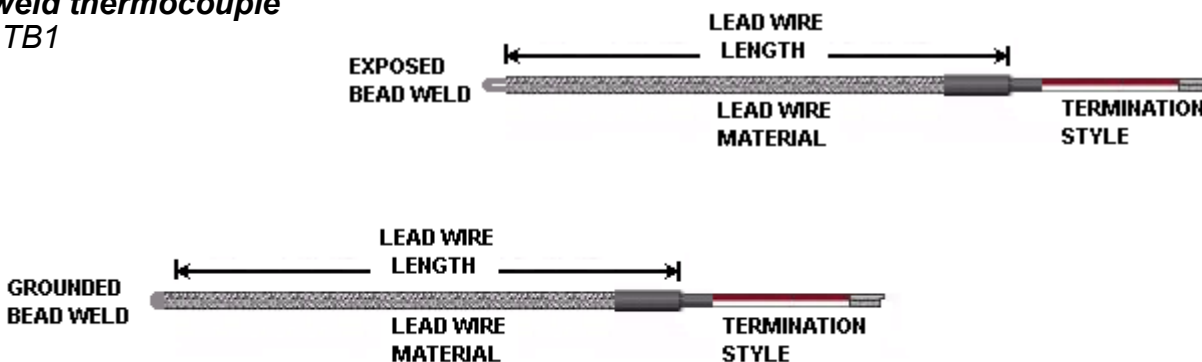
For bayonet adapters see pg. 56
For special features see pg. 70-71

⑪	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
11	International IEC 584-3 color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
18	Moisture protection boot on connector
Note	For color code chart see pg. 62



East Coast Sensors

Bead weld thermocouple Series TB1



Ordering Information Part Number

① TB1	② Calibration	③ Junction	④ Wire Size	⑤ Lead wire Material	⑥ Lead wire length (In.)	⑦ Termination Style
TB1						

Optional

⑧ Special Features

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E

③	Junction
G	Grounded
E	Exposed

④	Wire Size
1	24 AWG
2	20 AWG
Note	For other sizes contact factory

⑤	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F) (standard)
G	Teflon FEP with stainless steel braid (400°F)
Q	Ceramic fiber with Inconel braid (2100°F) (solid conductor only)

⑥	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑦	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
F	Ceramic male plug (1200°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
L	2" stripped leads w/#6 Ring terminals
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

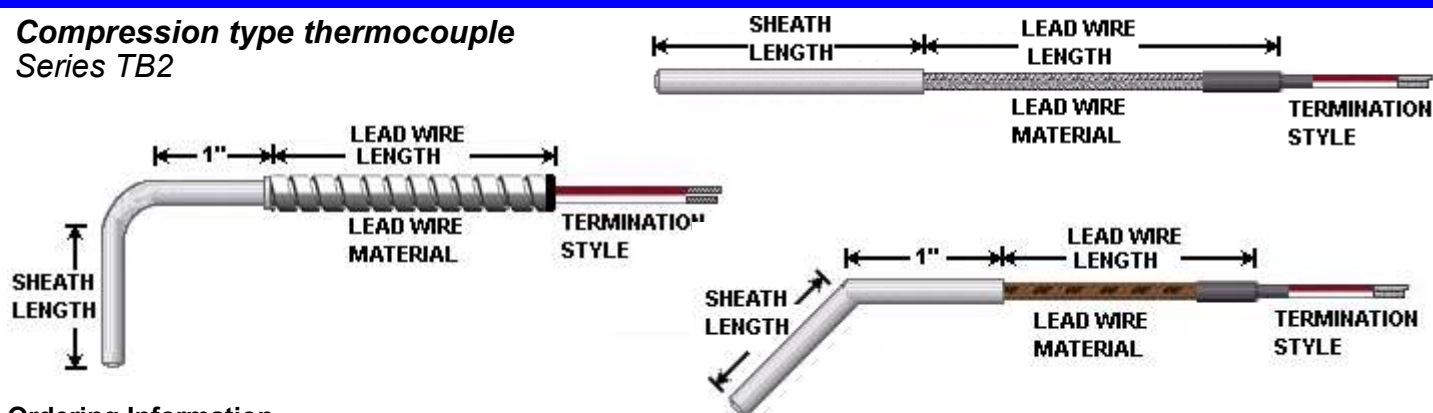
⑧	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
07	Cable clamp
08	Bx Connector
09	Mating connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
16	French color coded leads
18	Moisture protection boot on connector
24	Teflon covered lead wire
Note	For color code chart see pg. 62

- Stranded wire comes standard. See option "01" for solid conductor



East Coast Sensors

Compression type thermocouple Series TB2



Ordering Information Part Number

① TB2	② Calibration	③ Sheath Diameter	④ Sheath Config.	⑤ Sheath Length (Whole In.)	⑥ Sheath Length (Frac. In.)	⑦ Junction	⑧ Lead wire material	⑨ Lead wire length (In.)	⑩ Termination Style
TB2									

Optional

⑪ Special Features	⑫ Attached Fitting	⑬ Insertion Length (whole in.)	⑭ Insertion Length (Frac.in.)

② Calibration
J Type J (standard)
K Type K
T Type T
E Type E

⑦ Junction
G Grounded (standard)
U Ungrounded
W Grounded (Dual Junction)
Z Ungrounded (Dual Junction)

⑩ Termination style
A 2" stripped leads (bare ends)
B 2" stripped leads w/ spade lugs
C Standard male plug (400°F)
D High temp male Plug (660°F)
E Max temp male Plug (800°F)
F Ceramic male plug (1200°F)
G Solid pin plug (400°F)
H Standard female jack (400°F)
J Miniature plug (400°F)
K Miniature jack (400°F)
L 2" stripped leads w/ #6 Ring terminals
M 2 Standard male plugs (dual junctions) (400°F)
N Standard 3 pin plug w/ ground wire (400°F)
P Dual molded male connector (400°F)
W 2" stripped leads w/ wire ferrules (pin terminals)
X Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240" 006"-240" Specify in Inches

③ Sheath Diameter
G .118" (3mm)
H .125" (3.2mm) (1/8")
J .156" (4mm)
L .188" (4.6mm) (3/16") (standard)
S .196" (5mm)
M .236 (6mm)
N .250" (6.4mm) (1/4")
P .314" (8mm) (5/16")
Q .375" (9.5mm) (3/8")
Note Sizes for reference only (standard tolerances apply)

⑧ Lead wire material
A Fiberglass (800°F)
B Teflon FEP (400°F)
C Kapton (500°F)
E High temperature fiberglass (1200°F)
F Fiberglass with stainless steel braid (800°F) (standard)
G Teflon FEP with stainless steel braid (400°F)
H Fiberglass with armor cable (800°F)
J Teflon FEP with armor cable (400°F)
K Kapton with armor cable (500°F)
L High temperature fiberglass with armor cable (1200°F)
M Fiberglass/ Stainless steel braid with armor cable (800°F)
Note Wire gauge determined by ECS based on sheath diameter

④ Sheath Configuration
W Straight (standard)
X 90 degree bend
Y 45 degree bend

⑨ Lead wire length
006"-600" Specify in Inches
Note Over 600" contact factory

⑤ Sheath Length (whole in.)
000"-060" Specify in Inches

⑥ Sheath Length (fractional in.)
A 0
B 1/8"
C 1/4"
D 3/8"
E 1/2"
F 5/8"
G 3/4"
H 7/8"

For compression fittings see pg. 58

For special features see pg. 70-71

- Dual junction only available in diameters .156" and larger

⑪ Special features (optional)
Note See next page

⑫ Attached Fitting (optional)
Note See next page

⑬ Insertion length (whole in.)
Note See next page

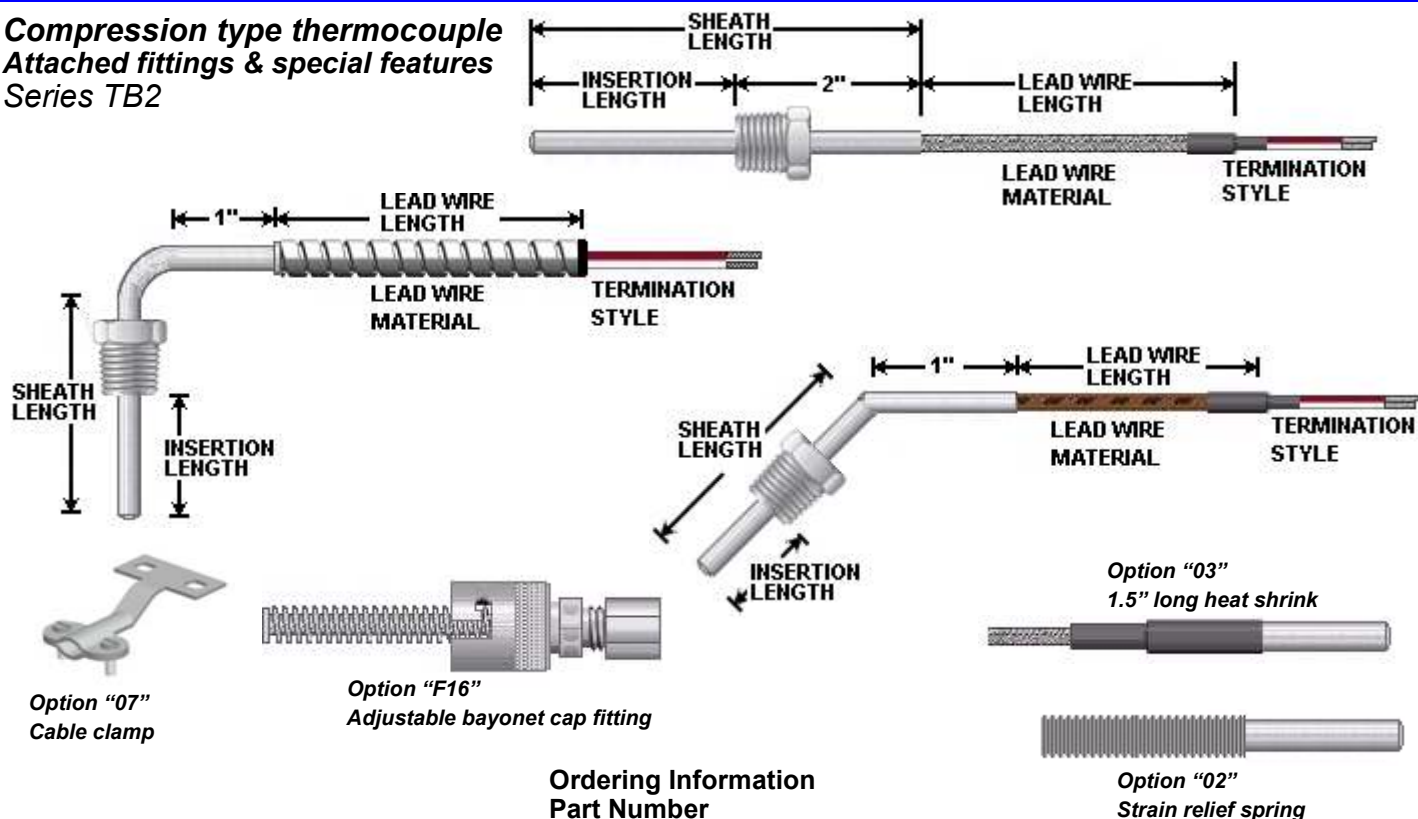
⑭ Insertion Length (fractional in.)
Note See next page

See next page for optional
attached fittings
& special features
(Fields 11,12,13, & 14)



East Coast Sensors

Compression type thermocouple Attached fittings & special features Series TB2



Continue part number from
previous page

Ordering Information Part Number

⑪ Special Features	⑫ Attached Fitting	⑬ Insertion Length (whole in.)	⑭ Insertion Length (Frac.in.)

⑪	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	BX Connector
09	Mating connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
16	French color coded leads
18	Moisture protection boot on connector
21	Teflon coated armor cable
24	Teflon covered probe
25	Free spinning fitting (held on probe by a crimp ring)
27	Transition fitting on tube & wire sensor
Note	For color code chart see pg. 62

⑫	Attached Fitting type (optional)
Note	Leave blank for no attached fitting
F01	1/8"npt single thread
F02	1/4"npt single thread
F03	3/8"npt single thread
F04	1/2"npt single thread
F05	3/4"npt single thread
F06	1/2"npt x 1/2"npt double thread
F07	1/2" npt double thread. Spring loaded
F08	1/2"npt x 1/2"npt double thread. Spring loaded w/oil seal
F09	1/2"npt x 3/4"npt double thread
F10	3/4"npt x 3/4"npt double thread
F16	Adjustable 7/16"ID bayonet cap fitting (1/8"OD & 3mm OD)
F17	Adjustable 12.5mm ID double slot bayonet cap fitting (1/8"OD & 3mm OD)
F18	1/8"npt compression fitting (Brass)
F19	1/8"npt compression fitting (Stainless steel)
F20	1/4"npt compression fitting (Brass)
F21	1/4"npt compression fitting (Stainless steel)
Note	For other fittings not shown contact factory

⑬	Insertion Length (in.) (optional)
001"-050"	Specify in inches
⑭	Insertion Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

- Attached fittings are stainless steel
- See pg. 68-69 for more detail about fittings
- See pg. 70-71 for more detail about special features

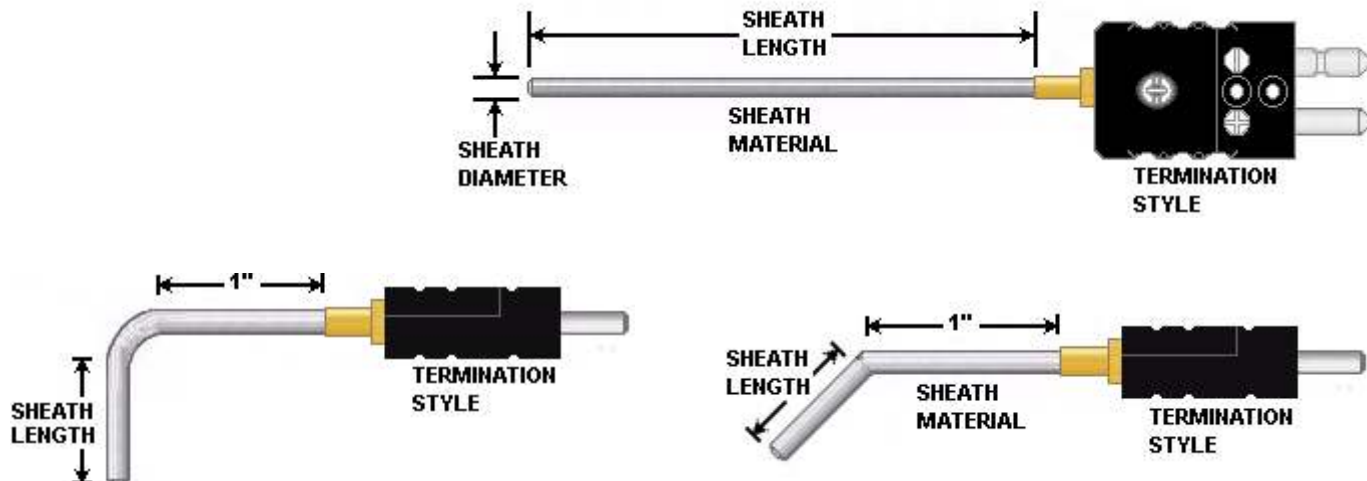


Contact factory for other configurations 800-722-4592

East Coast Sensors

Rigid tube & wire thermocouple

Series TB3



Ordering Information

Part Number

① TB3	② Calibration	③ Sheath Diam.	④ Sheath Configuration	⑤ Sheath Length (Whole In.)	⑥ Sheath Length (Frac. In.)	⑦ Wire material (inside probe)	⑧ Junction	⑨ Termination Style	⑩ Special Features	⑪ Attached Fitting	⑫ Insertion Length (whole in.)	⑬ Insertion Length (Frac.in.)
TB3												

Optional

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E

③	Sheath Diameter
H	.125" (3.2mm) (1/8")
L	.188" (4.6mm) (3/16")(standard)
M	.236 (6mm)
N	.250" (6.4mm) (1/4")
Note	Sizes for reference only (standard tolerances apply)
Note	For other diameters consult factory

④	Sheath Configuration
W	Straight (standard)
X	90 degree bend
Y	45 degree bend

⑤	Sheath Length (whole in.)
001"-60"	Specify in inches

⑥	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑦	Wire material (Inside probe)
A	Fiberglass (800°F)
B	Teflon (400°F) FEP

⑧	Junction
G	Grounded (standard)
U	Ungrounded
W	Grounded (Dual Junction)
Z	Ungrounded (Dual Junction)

⑨	Termination style
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
F	Ceramic male plug (1200°F)
G	Solid pin male plug (400°F)
H	Standard female jack (400°F)
J	Miniature male plug (400°F)
K	Miniature female jack (400°F)
N	Standard 3 pin male plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)

See next page for optional
attached fittings
& special features
(Fields 10,11,12 & 13)

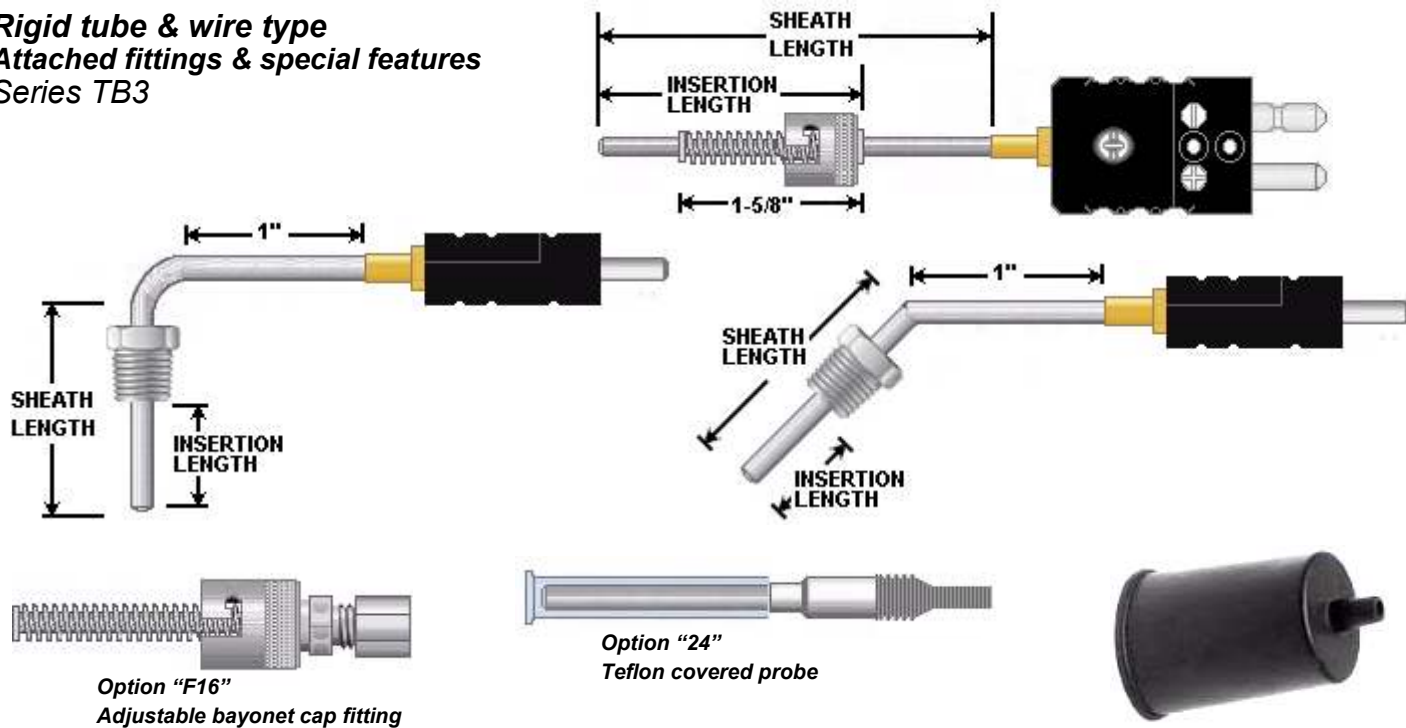
See pg. 58 for compression fittings

See pg. 65-66 for more detail about termination
styles



East Coast Sensors

Rigid tube & wire type
Attached fittings & special features
Series TB3



Ordering Information

⑩ Special Features	⑪ Attached Fitting	⑫ Insertion Length (whole in.)	⑬ Insertion Length (Frac.in.)

*Continue part number from
previous page*

⑩	Special features (Optional)
Note	Leave blank for no special features
04	Flat tip probe
05	Drill point tip
09	Mating connector
18	Moisture protection boot on connector
24	FEP Teflon covered probe (400°F)
25	Free spinning fitting (held on probe by a crimp ring)
26	Connector mounted with tube adapter

⑪	Attached Fitting type (optional)
Note	Leave blank for no attached fitting
F01	1/8"npt single thread
F02	1/4"npt single thread
F03	3/8"npt single thread
F04	1/2"npt single thread
F05	3/4"npt single thread
F06	1/2"npt x 1/2"npt double thread
F07	1/2"npt double thread. Spring loaded
F08	1/2"npt x 1/2"npt double thread. Spring loaded w/oil seal
F09	1/2"npt x 3/4"npt double thread
F10	3/4"npt x 3/4"npt double thread
F11	Fixed 7/16" ID single slot bayonet cap assembly
F14	1/2"npt x 1"npt double thread
F15	1"npt single thread
F16	Adjustable 7/16"ID bayonet cap fitting (1/8"OD & 3mm OD)
F17	Adjustable 12.5mm ID double slot bayonet cap fitting (1/8"OD & 3mm OD)
F18	1/8"npt compression fitting (Brass)
F19	1/8"npt compression fitting (Stainless steel)
F20	1/4"npt compression fitting (Brass)
F21	1/4"npt compression fitting (Stainless steel)
Note	For other fittings not shown contact factory

⑫	Insertion Length (in.) (optional)
001"-050"	Specify in Inches
⑬	Insertion Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

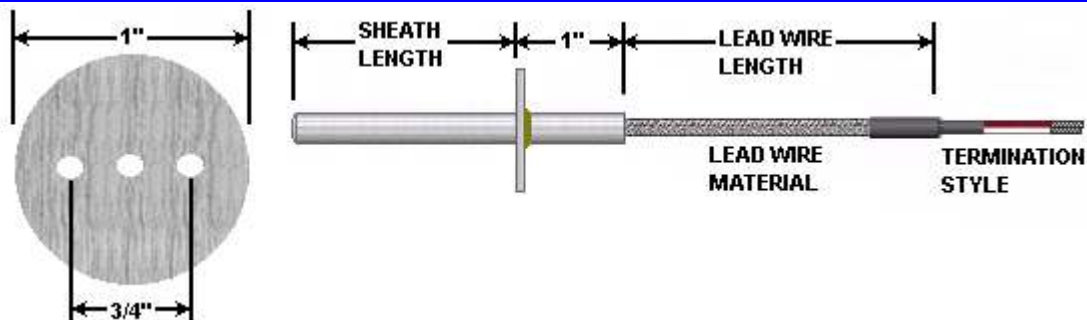
- Attached fittings are stainless steel
- See pg. 68-69 for more detail about fittings
- See pg. 70-71 for more detail about special features



Contact factory for other configurations 800-722-4592

East Coast Sensors

Mounting flange thermocouple Series TB4



Ordering Information Part Number

① TB4	② Calibration	③ Sheath Diameter	④ Sheath Length (Whole In.)	⑤ Sheath Length (Fractional In.)	⑥ Junction	⑦ Lead wire material	⑧ Lead wire length (In.)	⑨ Termination Style	⑩ Special Features
TB4									

Optional

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E

⑥	Junction
G	Grounded (standard)
U	Ungrounded
W	Grounded (Dual Junction)
Z	Ungrounded (Dual Junction)

⑨	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

③	Sheath Diameter
H	.125" (3.2mm) (1/8")
J	.156" (4mm)
L	.188" (4.6mm) (3/16") (standard)
M	.236 (6mm)
N	.250" (6.4mm) (1/4")
Note	Sizes for reference only (standard tolerances apply)

⑦	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F) (standard)
G	Teflon FEP with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
L	High temperature fiberglass with armor cable (1200°F)
M	Fiberglass/ stainless steel braid with armor cable (800°F)
Note	Wire gauge determined by ECS based on sheath diameter

④	Sheath Length (whole in.)
001-059"	Specify in Inches

⑤	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑧	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

- Dual junction only available in diameters .156" and larger
- Mounting holes drilled for #10 screw
- Flange is silver soldered to probe

⑩	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
18	Moisture protection boot on connector
21	Teflon coated armor cable
24	Teflon covered probe
Note	For color code chart see pg. 62

See pg. 58 for more detail about termination styles

See pg.65-66 for more detail about special features



East Coast Sensors

Ring terminal thermocouple

Series TC1



Ordering Information Part Number

① TC1	② Calibration	③ Ring Terminal Size	④ Junction	⑤ Lead wire material	⑥ Lead wire Length (In.)	⑦ Termination Style	⑧ Special Features
TC1							

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E

③	Ring Terminal Size
F	#6 (.147" hole size)
H	#8 (.173" hole size)
M	#10 (.198" hole size)
N	1/4" (.263" hole size)
P	5/16" (.336" hole size)
Q	3/8" (.393" hole size)

④	Junction
G	Grounded (standard)
U	Ungrounded
W	Grounded (Dual Junction)
Z	Ungrounded (Dual Junction)

⑤	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F) (standard)
G	Teflon FEP with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
L	High temperature fiberglass with armor cable (1200°F)
M	Fiberglass with stainless steel braid with armor cable (800°F)
Note	Wire gauge determined by ECS based on sheath diameter

⑥	Lead wire length (In.)
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑦	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
L	2" stripped leads w/#6 Ring terminals
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑧	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
16	French color coded leads
18	Moisture protection boot on connector
Note	For color code chart see pg. 62

- Ring terminal can be mounted under various different screw sizes to sense temperature of a surface
- This style offers a strain relief sleeve to prevent excess wearing, where the lead wire exits the neck of the ring terminal, improving longevity

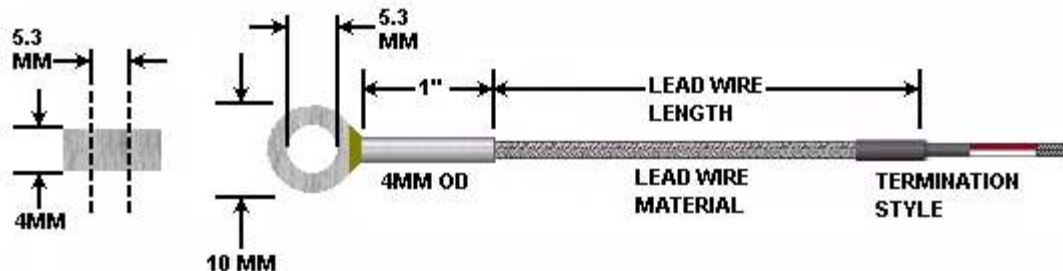
See pg. 58 for more detail about termination styles

See pg. 65-66 for more detail about special features



East Coast Sensors

Spacer Thermocouple Series TC2



Ordering Information Part Number

① TC2	② Calibration	③ Spacer Size	④ Junction	⑤ Lead wire material	⑥ Lead wire Length (In.)	⑦ Termination Style
TC2						

Optional

⑧ Special Features

② Calibration
J Type J
K Type K
T Type T
E Type E

③ Spacer Size
A 5.3mm ID x 10mm OD x 4mm thick
Note For other sizes consult factory

④ Junction
G Grounded (standard)
U Ungrounded

⑤ Lead wire material
A Fiberglass (800°F)
B Teflon FEP (400°F)
C Kapton (500°F)
E High temperature fiberglass (1200°F)
F Fiberglass with stainless steel braid (800°F)
G Teflon FEP with stainless steel braid (400°F)
H Fiberglass with armor cable (800°F)
J Teflon FEP with armor cable (400°F)
K Kapton with armor cable (500°F)
L High temperature fiberglass with armor cable (1200°F)
M Fiberglass with stainless steel braid with armor cable (800°F)
Note Wire gauge determined by ECS based on sheath diameter

⑥ Lead wire length
006"-600" Specify in Inches
Note Over 600" contact factory

⑦ Termination style
A 2" stripped leads (bare ends)
B 2" stripped leads w/ spade lugs
C Standard male plug (400°F)
D High temp male Plug (660°F)
E Max temp male Plug (800°F)
G Solid pin plug (400°F)
H Standard female jack (400°F)
J Miniature plug (400°F)
K Miniature jack (400°F)
L 2" stripped leads w/#6 Ring terminals
M 2 Standard male plugs (dual junctions) (400°F)
N Standard 3 pin plug w/ ground wire (400°F)
W 2" stripped leads w/wire ferrules (pin terminals)
X Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240" 006"-240" Specify in Inches

⑧ Special features (Optional)
Note Leave blank for no special features
01 Solid conductor (Lead wire)
02 1.5" long strain relief spring
03 1.5" long heat shrink where wire exits the probe
06 Epoxy seal (500°F)
07 Cable clamp
08 Bx Connector
09 Mating connector
11 International IEC 584-3 color coded leads
12 British color coded leads
13 German color coded leads
14 Japanese color coded leads
15 Reverse polarity color coded leads
16 French color coded leads
18 Moisture protection boot on connector
Note For color code chart see pg. 62

- 20 AWG stranded wire comes standard on spacer type thermocouples
- Spacer is silver soldered to probe
- Grounded junction is most common

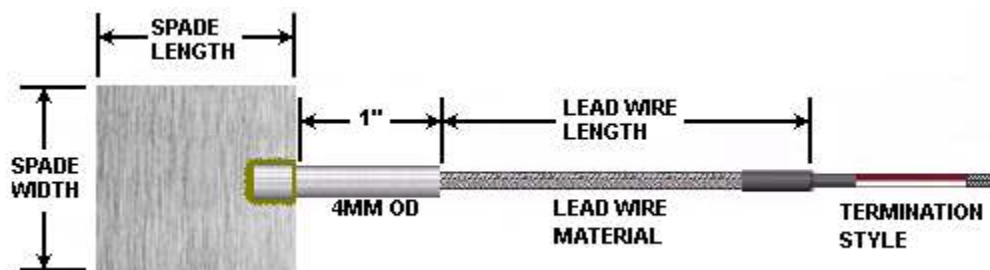
See pg. 58 for more detail about termination styles

See pg. 65-66 for more detail about special features



East Coast Sensors

Spade thermocouple Style TE1



Ordering Information Part Number

① TE1	② Calibration	③ Spade Size	④ Spade Material	⑤ Junction	⑥ Lead wire material	⑦ Lead wire length (Inches)	⑧ Termination Style	⑨ Special Features
TE1								

Optional

②	Calibration
J	Type J
K	Type K
T	Type T
E	Type E

③	Spade size (Length x Width)
F	1/2" x 1/2"
H	5/8" x 5/8"
M	3/4" x 3/4"
N	1" x 1"
P	3/4 x 7/8"
Q	1/2" x 5/8"
Note	For other sizes consult factory

④	Spade material
S	Stainless Steel
B	Brass

⑤	Junction
G	Grounded (standard)
U	Ungrounded
W	Grounded (Dual Junction)
Z	Ungrounded (Dual Junction)

⑥	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F) (standard)
G	Teflon FEP with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
L	High temperature fiberglass with armor cable (1200°F)
M	Fiberglass with stainless steel braid with armor cable (800°F)
Note	Wire gauge determined by ECS based on sheath diameter

⑦	Lead wire length (In.)
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑧	Termination style
A	2" stripped leads (bare ends)
B	2" stripped w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug
H	Standard female jack
J	Miniature plug
K	Miniature jack
L	2" stripped leads w/#6 Ring terminals
M	2 Standard male plugs (dual junctions)
N	Standard 3 pin plug w/ ground wire
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑨	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
16	French color coded leads
18	Moisture protection boot on connector
Note	For color code chart see pg. 62

- 20 awg stranded wire comes standard on spade type thermocouples
- Spade is silver soldered to probe
- Spade is .010" thick

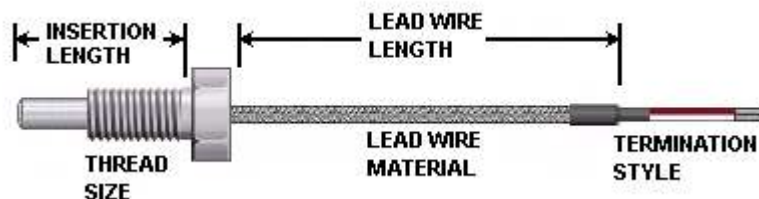
See pg. 58 for more detail about termination styles

See pg. 65-66 for more detail about special features



East Coast Sensors

Threaded bolt thermocouple Style TF1



Ordering Information Part Number

① TF1	② Calibration	③ Thread Size	④ Sheath Length (in.)	⑤ Junction	⑥ Lead Wire Material	⑦ Lead Wire Length (Inches)	⑧ Termination Style
TF1							

Optional

⑨ Special Features

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E

⑤	Junction
G	Grounded (standard)
U	Ungrounded

⑧	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
L	2" stripped leads w/#6 Ring terminals
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

③	Thread size
A	1/4-28 (standard)
B	1/4-20
C	10-32 (Grounded only)
D	8-32 (Grounded only)
E	M5 X 0.8 pitch
F	M6 x 1 pitch
G	M8 x 1 pitch
H	M8 x 1.25 pitch
J	M10 x 1 pitch
K	M10 x 1.25 pitch
P	M10 x 1.5 pitch
R	M12 x 1.25 pitch
S	M12 x 1.5 pitch
W	M12 x 1.75 pitch

⑥	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F) (standard)
G	Teflon FEP with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
L	High temperature fiberglass with armor cable (1200°F)
M	Fiberglass with stainless steel braid with armor cable (800°F)
Note	Wire gauge determined by ECS based on sheath diameter

⑦	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

④	Sheath Length (in.)
U	1/4"
V	3/8"
W	1/2" (standard)
X	5/8"
Y	3/4"
Z	1"

Step 3: Thread size

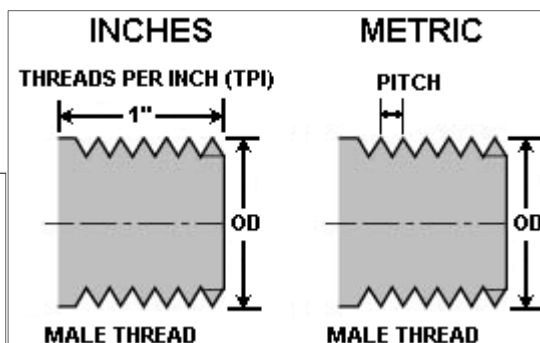
EXAMPLE:

Inches

1/4-28 bolt = 1/4"OD thread x 28 TPI

Metric

M12 x 1.25 pitch = 12mm OD thread x 1.25mm peak to peak



- 20 AWG stranded wire comes standard on nozzle bolt type thermocouples
- Bolt is free spinning on standard designs
- For custom thread lengths consult factory

See pg. 58 for more detail about termination styles

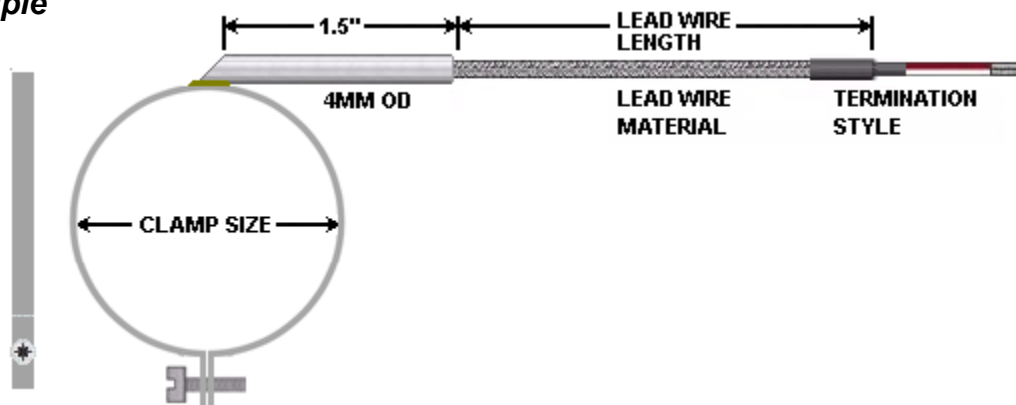
See pg. 65-66 for more detail about special features



Contact factory for other configurations 800-722-4592

East Coast Sensors

Nozzle clamp thermocouple Style TG1



Ordering Information Part Number

① TG1	② Calibration	③ Clamp Size (mm)	④ Junction	⑤ Lead wire material	⑥ Lead Wire Length (in.)	⑦ Termination Style	⑧ Special Features
TG1							

Optional

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E

③	Clamp size (ID) (MM)
F	16MM
H	30MM
M	40MM
N	50MM
P	60MM
Q	70MM
Note	For other sizes consult factory

④	Junction
G	Grounded (standard)
U	Ungrounded

⑤	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F) (standard)
G	Teflon FEP with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
L	High temperature fiberglass with armor cable (1200°F)
M	Fiberglass with stainless steel braid with armor cable (800°F)
Note	Wire gauge determined by ECS based on sheath diameter

⑥	Lead wire length
006"-600"	Specify in Inches
	Over 600" contact factory

⑦	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
L	2" stripped leads w/#6 Ring terminals
N	Standard 3 pin plug w/ ground wire (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑧	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
16	French color coded leads
18	Moisture protection boot on connector
Note	For color code chart see pg. 62

- 20 AWG stranded wire comes standard on Nozzle clamp type thermocouples
- For other configurations contact factory

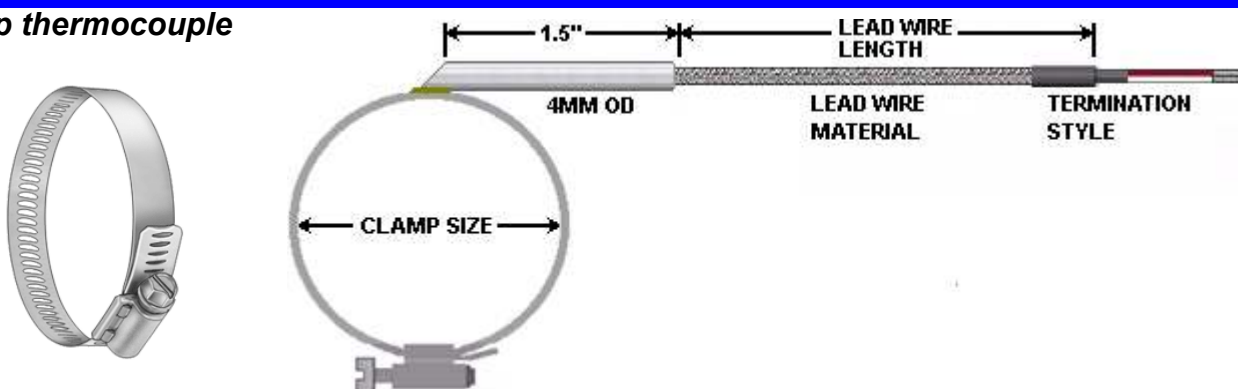
See pg. 58 for more detail about termination styles

See pg. 65-66 for more detail about special features



East Coast Sensors

Hose clamp thermocouple Style TG2



Ordering Information Part Number

① TG2	② Calibration	③ Clamp Size (inches)	④ Lead Wire Material	⑤ Lead Wire Length (Inches)	⑥ Junction	⑦ Termination Style	⑧ Special Features
TG2							

Optional

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E

③	Clamp size
F	1/4" to 5/8"
H	5/8" to 1"
M	1" to 2"
N	2" to 3"
P	3" to 4"
Q	4" to 5"
R	5" to 6"
S	6" to 7"
T	5" to 8"
U	7" to 9"
V	9" to 11"
Note	Check with factory for custom sizes

④	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F)
G	Teflon FEP with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
L	High temperature fiberglass with armor cable (1200°F)
M	Fiberglass with stainless steel braid with armor cable (800°F)

⑤	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑥	Junction
G	Grounded (standard)
U	Ungrounded

⑦	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
L	2" stripped leads w/#6 Ring terminals
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑧	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
16	French color coded leads
18	Moisture protection boot on connector
Note	For color code chart see pg. 62

- 20 AWG stranded wire comes standard on hose clamp type thermocouples
- Most clamps come in 5/16" or 1/2" bandwidth
- For other configurations contact factory

See pg. 58 for more detail about termination styles

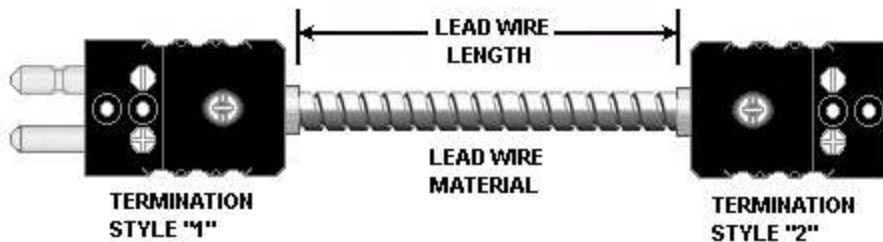
See pg. 65-66 for more detail about special features



Contact factory for other configurations 800-722-4592

East Coast Sensors

Extension cable (Thermocouple) Style TH1



Ordering Information Part Number

① TH1	② Calibration	③ Lead Wire Material	④ Termination Style "1"	⑤ Lead wire Length (In.)	⑥ Termination Style "2"	⑦ Special Features
TH1						

②	Calibration
J	Type J
K	Type K
T	Type T
E	Type E
W	Type J (Dual)
X	Type K (Dual)
Y	Type T (Dual)
Z	Type E (Dual)

③	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
D	PVC (220°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F)
G	Teflon FEP with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
L	High temperature fiberglass with armor cable (1200°F)
M	Fiberglass with stainless steel braid with armor cable (800°F)
N	10" coil cord (extends to approx. 6ft) (220°F)
P	24" coil cord (extends to approx. 14ft) (220°F)
Q	Ceramic fiber with Inconel braid (2100°F)
R	Teflon FEP with aluminum shield and drain wire
S	Clear FEP coated stainless steel braid
W	Teflon with stainless steel braid with armor cable (400°F)
Note	Wire gauge determined by ECS based on sheath diameter

④	Termination style "1"
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
F	Ceramic male plug (1200°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
L	2" stripped leads w/#6 Ring terminals
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)
R	High temp female jack (660°F)
S	Max temp female jack (800°F)
T	Ceramic female jack (1200°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑤	Lead wire length
012"-600"	Specify in Inches
Note	Over 600" contact factory

⑥	Termination style "2"
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
F	Ceramic male plug (1200°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
L	2" stripped leads w/#6 Ring terminals
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)
R	High temp female jack (660°F)
S	Max temp female jack (800°F)
T	Ceramic female jack (1200°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑦	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
07	Cable clamp
08	Bx Connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
16	French color coded leads
18	Moisture protection boot on connector
21	Teflon coated armor cable
Note	For color code chart see pg. 62

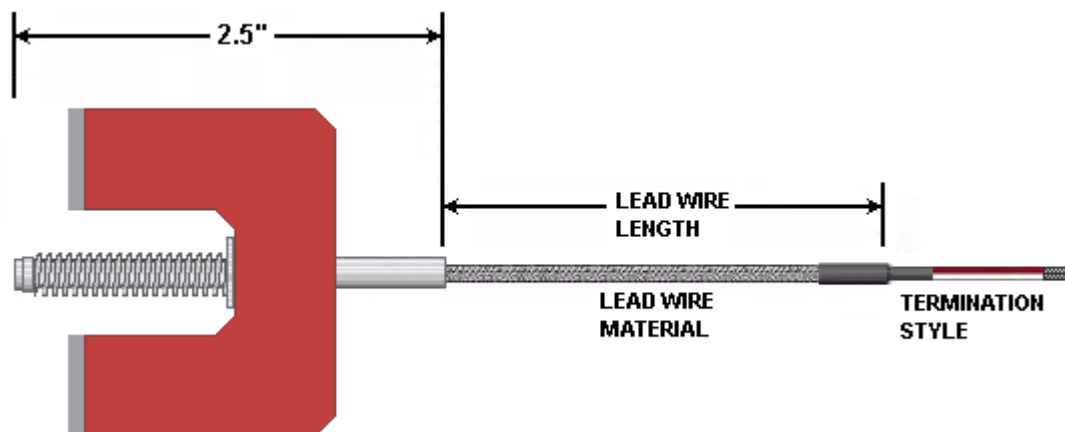
See page 58 for more detail about termination styles

See page 65-66 for more detail about special features



East Coast Sensors

Magnet mount thermocouple Style TJ1



Ordering Information Part Number

① TJ1	② Calibration	③ Sheath Diameter	④ Sheath Configuration	⑤ Junction	⑥ Lead wire material	⑦ Lead wire Length (In.)	⑧ Termination Style	⑨ Special Features
TJ1								

Optional

②	Calibration
J	Type J
K	Type K
T	Type T
E	Type E

③	Sheath Diameter
F	.188" (4.6mm) (3/16")

④	Sheath Configuration
W	Straight (standard)
X	90 degree bend
Y	45 degree bend

⑤	Junction
G	Grounded (standard)
U	Ungrounded
W	Grounded (Dual Junction)
Z	Ungrounded (Dual Junction)

⑥	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Kapton (500°F)
F	Fiberglass with stainless steel braid (800°F)
G	Teflon with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Teflon FEP with armor cable (400°F)
K	Kapton with armor cable (500°F)
Note	Wire gauge determined by ECS based on sheath diameter

⑦	Lead wire length
016"-600"	Specify in Inches (2.5" Standard)
Note	Over 600" contact factory

⑧	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑨	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
18	Moisture protection boot on connector
Note	For color code chart see pg. 62

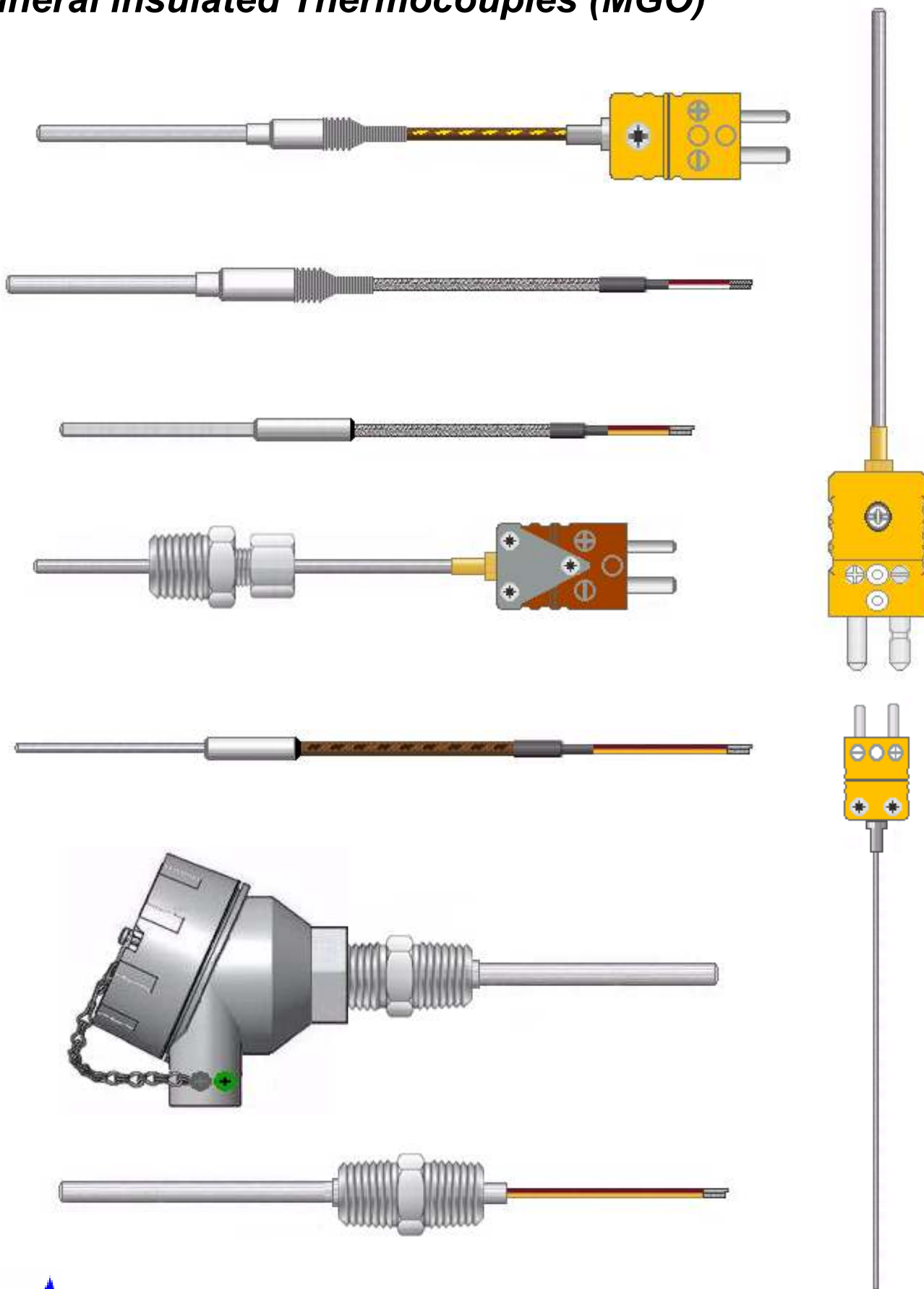
- 20 AWG stranded wire comes standard on magnetic thermocouples
- Standard magnet has 26 lb pull
- For other configurations contact factory
- Thermocouple is spring loaded and has a flat tip to ensure good surface measurement

See page 58 for more detail about termination styles

See page 65-66 for more detail about special features

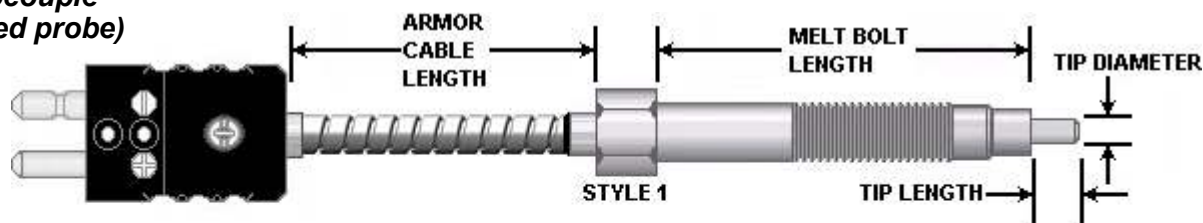


Mineral insulated Thermocouples (MGO)

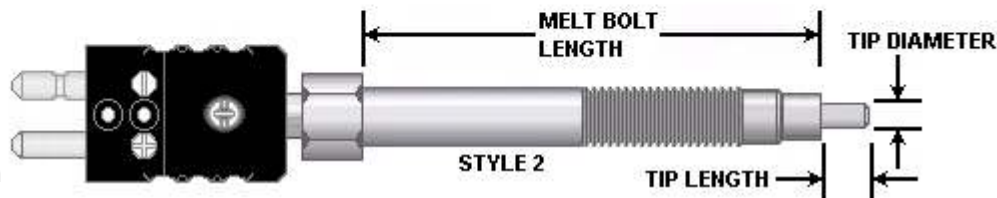


East Coast Sensors

Melt bolt thermocouple (mineral insulated probe) Style TK1



ECS standard melt bolt thermocouples are mineral insulated for better tip sensitivity and durability



Ordering Information Part Number

① TK1	② Melt bolt style	③ Melt bolt length (In.)	④ Calibration	⑤ Tip Diameter (In.)	⑥ Tip Length (In.)	⑦ Tip Material	⑧ Junction	⑨ Armor cable length (In.)	⑩ Termination style
TK1									

②	Melt bolt style
A	Style 1
B	Style 2

③	Melt bolt length (inches)
3	3"
4	4"
6	6"
7	7"
9	9"
12	12"
14	14"

④	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E
W	Type J (special limits)
X	Type K (special limits)
Y	Type T (special limits)
Z	Type E (special limits)

⑤	Tip Diameter (in.)
L	.125"OD (standard)
M	.188"OD
Note	For flush tip use code "L"

⑥	Tip Length
T	Flush
U	1/4"
V	3/8" (standard)
W	1/2"
X	5/8"
Y	3/4"
Z	1"

⑦	Tip Material (Sheath only)
F	304 SS (standard)
H	316 SS
M	Inconel (600)
N	446 SS
P	310 SS
Q	Hastelloy
R	Pyrosil D

⑧	Junction
G	Grounded (Single) (standard)
U	Ungrounded (Single)
E	Exposed (Single)
W	Grounded (Dual)
X	Ungrounded & Isolated (Dual)
Y	Ungrounded Common (Dual)
Z	Exposed & Isolated (Dual)

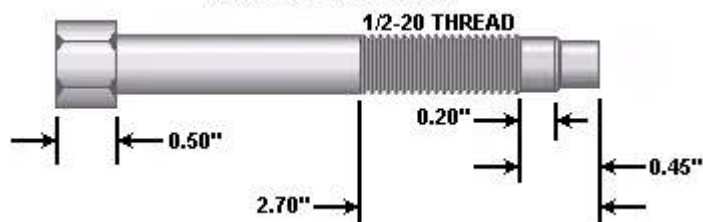
⑨	Armor cable length (Inches)
X	No flex armor (Style 2)
F	4" (standard) (melt bolt style 1 only)
002"-600"	For other lengths specify in Inches (melt bolt style 1 only)
Note	Over 600" contact factory

⑩	Termination style
A	2" stripped leads (bare ends)
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)

⑪	Special features (Optional)
Note	Leave blank for no special features
07	Cable clamp
08	BX Connector
09	Mating connector
18	Moisture protection boot on connector
23	304SS tag with part # engraved
Note	For color code chart see pg. 62

- See page 68 for more detail about termination styles
- See page 70-71 for more detail about special features

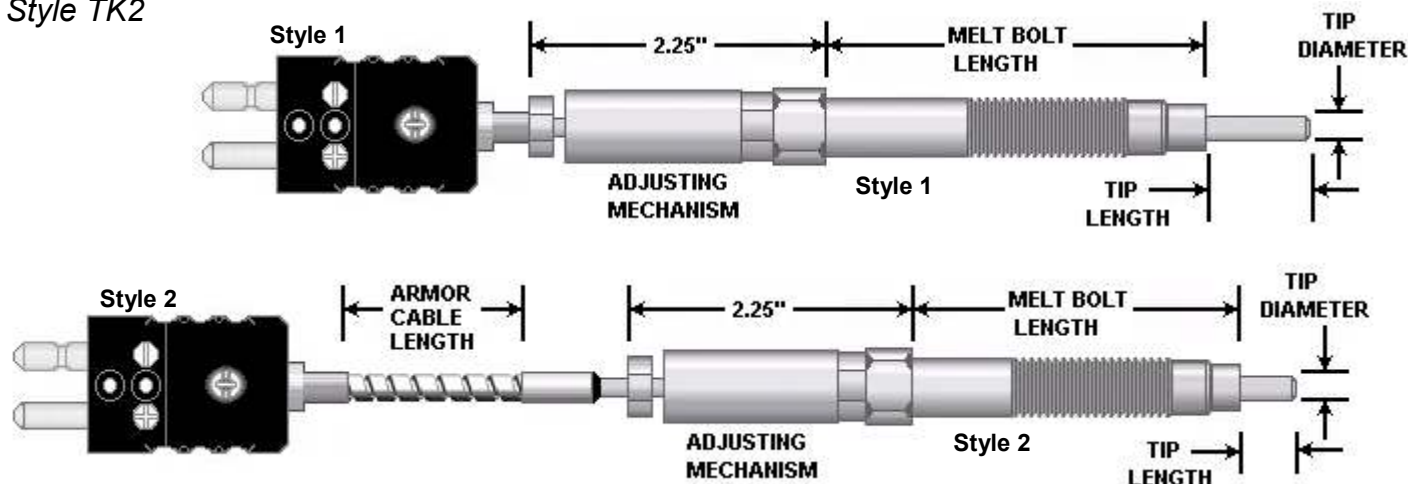
MELT BOLT DIMENSIONS



Contact factory for other configurations 800-722-4592

East Coast Sensors

Adjustable melt bolt type thermocouple (mineral insulated probe) Style TK2



Ordering Information Part Number

① TK2	② Melt bolt style	③ Melt bolt length (in.)	④ Calibration	⑤ Tip Diameter (in.)	⑥ Tip Length (in.)	⑦ Tip Material	⑧ Junction	⑨ Armor cable length (in.)	⑩ Termination style
TK2					A				

②	Melt bolt style
C	Style 1
D	Style 2

③	Melt bolt length (inches)
3	3"
4	4"
6	6"
7	7"
9	9"
12	12"
14	14"

④	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E
W	Type J (special limits)
X	Type K (special limits)
Y	Type T (special limits)
Z	Type E (special limits)

⑤	Tip Diameter (in.)
L	.125"OD (standard)
M	.188"OD

⑥	Tip Length (in.)
A	Adjusts from flush to 1"

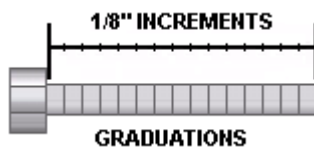
⑦	Tip Material (Sheath only)
F	304 SS (standard)
H	316 SS
M	Inconel (600)
N	446 SS
P	310 SS
Q	Hastelloy
R	Pyrosil D

⑧	Junction
G	Grounded (Single) (standard)
U	Ungrounded (Single)
E	Exposed (Single)
W	Grounded (Dual)
X	Ungrounded & Isolated (Dual)
Y	Ungrounded Common (Dual)
Z	Exposed & Isolated (Dual)

⑨	Armor cable length (inches)
X	No flex armor (Style 1)
F	4" (standard) (melt bolt style 1 only)
002"-600"	For other lengths specify in Inches (melt bolt style 2 only)
Note	Over 600" contact factory

⑩	Termination style
A	2" stripped leads (bare ends)
C	Standard male plug (400°F)
D	High temp male Plug (660°F)
E	Max temp male Plug (800°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
M	2 Standard male plugs (dual junctions) (400°F)
N	Standard 3 pin plug w/ ground wire (400°F)
P	Dual molded male connector (400°F)

⑪	Special features (Optional)
Note	Leave blank for no special features
07	Cable clamp
08	BX Connector
09	Mating connector
18	Moisture protection boot on connector
23	304SS tag with part # engraved
Note	For color code chart see pg. 62



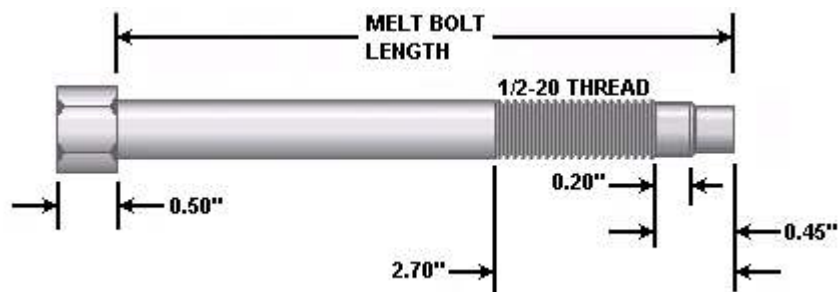
ECS standard melt bolt thermocouples are mineral insulated for better tip sensitivity and durability

- See page 68 for more detail about termination styles
- See page 70-71 for more detail about special features



Blank melt bolt (no sensor)

Style TK3



Ordering Information Part Number

① TK3	② Melt bolt style	③ Melt bolt Length (In.)	④ Bolt Material
TK3			

②	Melt bolt style
E	Blank bolt

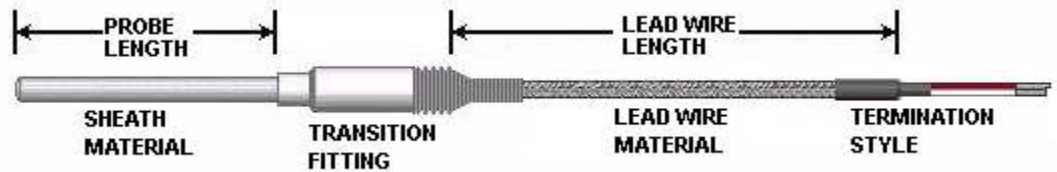
③	Melt bolt length (inches)
3	3"
4	4"
6	6"
7	7"
9	9"
12	12"
14	14"

④	Tip Material (Sheath only)
F	304 SS (standard)
H	316 SS
M	INCONEL (600)
N	446 SS
P	310 SS
Q	Hastelloy

- Solid blank melt bolt (no hole)
- 1/2-20 thread
- For other configurations contact factory

East Coast Sensors

Mineral insulated thermocouple w/ lead wires Style TL1



Ordering Information Part Number

① TL1	② Calibration	③ Sheath Diameter	④ Sheath Material	⑤ Sheath Length (whole in.)	⑥ Sheath Length (Frac.in.)	⑦ Junction	⑧ Transition fitting	⑨ Lead wire material	⑩ Lead wire Length (in.)	⑪ Termination Style	⑫ Special Features	⑬ Attached Fitting	⑭ Insertion Length (whole in.)	⑮ Insertion Length (Frac.in.)
TL1														

Optional

② Calibration
J Type J
K Type K
T Type T
E Type E
W Type J (special limits)
X Type K (special limits)
Y Type T (special limits)
Z Type E (special limits)

③ Sheath Diameter
A .032" (0.8mm)
B .040" (1mm)
C .059" (1.5mm)
D .062" (1.6mm) (1/16")
E .079" (2mm)
F .092" (2.3mm)
G .118" (3mm)
H .125" (3.2mm) (1/8")
J .156" (4mm)
K .177" (4.5mm)
L .188" (4.6mm) (3/16")
M .236 (6mm)
N .250" (6.4mm) (1/4")
P .314" (8mm) (5/16")
Q .375" (9.5mm) (3/8")
Note Sizes for reference only (standard tolerances apply)
Note For other diameters consult factory

④ Sheath Material
F 304 SS
H 316 SS
M INCONEL (600)
N 446 SS
P 310 SS
Q Hastelloy
R Pyrosil D

⑤ Sheath Length (whole in.)
001"-144" Specify in Inches

⑥ Sheath Length (fractional in.)
A 0
B 1/8"
C 1/4"
D 3/8"
E 1/2"
F 5/8"
G 3/4"
H 7/8"

⑦ Junction
G Grounded (Single)
U Ungrounded (Single)
E Exposed (Single)
R Exposed & Recessed (Single)
W Grounded (Dual)
X Ungrounded & Isolated (Dual)
Y Ungrounded Common (Dual)
Z Exposed & Isolated (Dual)
Note Ungrounded & Isolated (option "X") only available in .156"OD & larger

⑧ Transition Fitting
1 3/8"OD X 1.25" w/ spring (standard)
2 1/4"OD X 1.25" w/ spring
3 3/16"OD X 1" w/ spring
4 3/8"OD X 1.25" (no spring)
5 1/4"OD X 1.25" (no spring)
6 3/16"OD X 1" (no spring)
Note 500°F epoxy standard
Note See special features on next page for ceramic potting

⑨ Lead wire material
A Fiberglass (800°F)
B Teflon FEP (400°F)
C Kapton (500°F)
D PVC (220°F)
E High temperature fiberglass (1200°F)
F Fiberglass with stainless steel braid (800°F)
G Teflon FEP with stainless steel braid (400°F)
H Fiberglass with armor cable (800°F)
J Teflon FEP with armor cable (400°F)
K Kapton with armor cable (500°F)
L High temperature fiberglass with armor cable (1200°F)
M Fiberglass with stainless steel braid with armor cable (800°F)
Note Wire gauge determined by ECS based on sheath diameter

⑩ Lead wire length (in.)
006"-600" Specify in Inches
Note Over 600" contact factory

⑪ Termination style
A 2" stripped leads (bare ends)
B 2" stripped leads w/ spade lugs
C Standard male plug (400°F)
D High temp male Plug (660°F)
E Max temp male Plug (800°F)
F Ceramic male plug (1200°F)
G Solid pin plug (400°F)
H Standard female jack (400°F)
J Miniature plug (400°F)
K Miniature jack (400°F)
L 2" stripped leads w/ #6 Ring terminals
M 2 Standard male plugs (dual junctions) (400°F)
N Standard 3 pin plug w/ ground wire (400°F)
P Dual molded male connector (400°F)
W 2" stripped leads w/ wire ferrules (pin terminals)
X Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240" 006"-240" Specify in Inches

⑫ Special features (optional)
Note See next page

⑬ Attached Fitting (optional)
Note See next page

⑭ Insertion length (whole in.)
Note See next page

⑮ Insertion Length (fractional in.)
Note See next page

See next page for optional attached fittings & special features (Fields 12,13,14,&15)

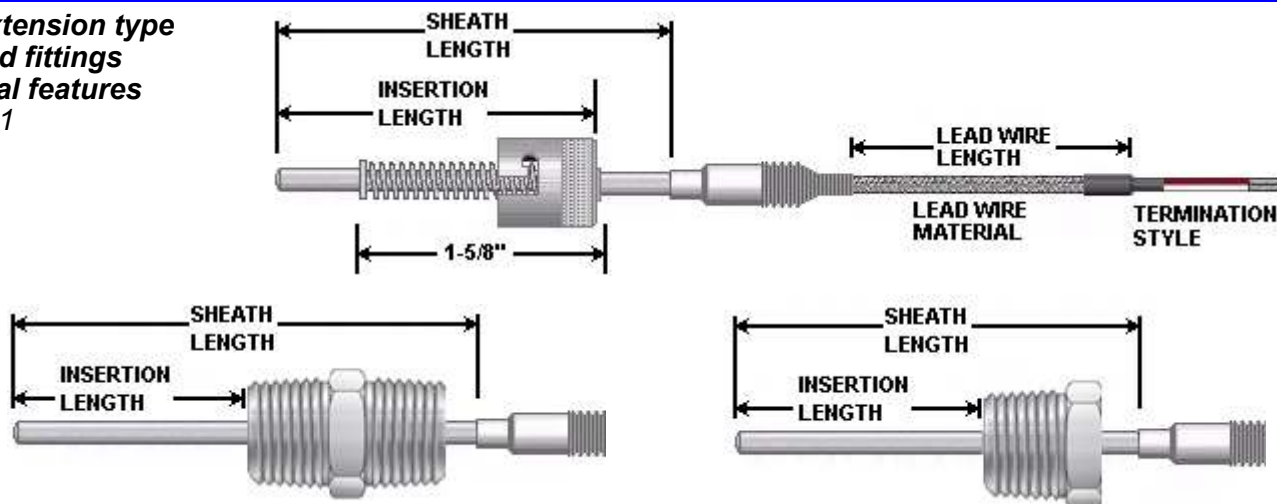
For 90 degree bend see special features section on next page

- Solid wire is standard on MGO extension thermocouples
- For stranded wire see next page special features

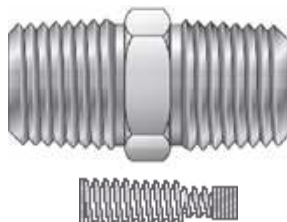


East Coast Sensors

MGO extension type Attached fittings & special features Style TL1



Option "F07"
Spring loaded fitting



Option "10"
Armor cable adapter

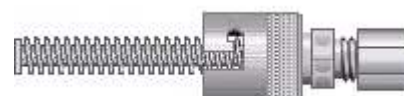


Option "28"
90° bend

Continue part number from
previous page

Ordering Information Part Number

⑫ Special Features	⑬ Attached Fitting	⑭ Insertion Length (whole in.)	⑮ Insertion Length (Frac.in.)



Option "F16"
Adjustable bayonet cap fitting

⑫	Special features (Optional)
Note	Add "00" for no special features
00	No special features
01	Stranded conductor (Lead wire)
04	Flat tip probe
07	Cable clamp
08	Bx Connector
09	Mating connector
10	Armor cable adaptor
11	International IEC 584-3 color coded leads
12	British color coded leads
13	German color coded leads
14	Japanese color coded leads
15	Reverse polarity color coded leads
16	French color coded leads
18	Moisture protection boot on connector
19	High temp ceramic potting (1200°F)
21	Teflon coated armor cable (FEP Teflon)
24	Teflon covered probe
25	Free spinning fitting (held on probe by a crimp ring)
28	90 degree bend
Note	For color code chart see pg.62

⑬	Attached Fitting (Optional)
F00	For no attached fitting
F01	1/8"npt single thread
F02	1/4"npt single thread
F03	3/8"npt single thread
F04	1/2"npt single thread
F05	3/4"npt single thread
F06	1/2"npt x 1/2"npt double thread
F07	1/2"npt double thread spring loaded
F08	1/2"npt x 1/2"npt double thread spring loaded w/oil seal
F09	1/2"npt x 3/4"npt double thread
F10	3/4"npt x 3/4"npt double thread
F11	Fixed bayonet cap assembly
F14	1/2"npt x 1"npt double thread
F15	1"npt single thread
F16	Adjustable 7/16"ID bayonet cap fitting (1/8"OD & 3mm OD)
F17	Adjustable 12.5mm ID double slot bayonet cap fitting (1/8"OD & 3mm OD)
F18	1/8"npt compression fitting (Brass)
F19	1/8"npt compression fitting (Stainless steel)
F20	1/4"npt compression fitting (Brass)
F21	1/4"npt compression fitting (Stainless steel)
Note	For other fittings not shown contact factory

⑭	Insertion Length (in.) (optional)
001"-144"	Specify in Inches
Note	See pg.68-69 for attached fitting illustrations

⑮	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"



Option "19"
High temp ceramic potting

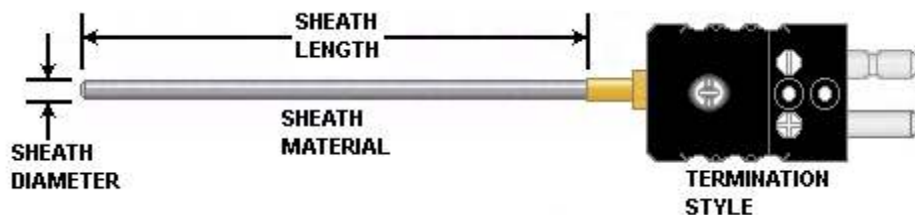
- See page 68 for more detail about termination styles
- See page 70-71 for more detail about special features



Contact factory for other configurations 800-722-4592

East Coast Sensors

Rigid mineral insulated thermocouple Style TM1



Ordering Information Part Number

① TM1	② Calibration	③ Sheath Diameter	④ Sheath Material	⑤ Sheath Length (whole in.)	⑥ Sheath Length (fractional in.)	⑦ Junction	⑧ Termination Style
TM1							

Optional

⑨ Special Features	⑩ Attached Fitting	⑪ Insertion Length (whole in.)	⑫ Insertion Length (Frac.in.)

② Calibration
J Type J
K Type K
T Type T
E Type E
W Type J (special limits)
X Type K (special limits)
Y Type T (special limits)
Z Type E (special limits)

④ Sheath Material
F 304 SS
H 316 SS
M INCONEL (600)
N 446 SS
P 310 SS
Q Hastelloy
R Pyrosil D

⑤ Sheath Length
001"-360" Specify in Inches
Note Over 360" contact factory

⑥ Sheath Length (fractional in.)
A 0
B 1/8"
C 1/4"
D 3/8"
E 1/2"
F 5/8"
G 3/4"
H 7/8"

⑦ Junction
G Grounded (Single)
U Ungrounded (Single)
E Exposed (Single)
W Grounded (Dual)
X Ungrounded & Isolated (Dual)
Y Ungrounded Common (Dual)
Z Exposed & Isolated (Dual)
Note Ungrounded & Isolated (option "X") only available in .188"OD & larger

⑧ Termination style
C Standard male plug (400°F)
D High temp male Plug (660°F)
E Max temp male Plug (800°F)
F Ceramic male plug (1200°F)
G Solid pin plug (400°F)
H Standard female jack (400°F)
J Miniature plug (400°F)
K Miniature jack (400°F)
M 2 Standard male plugs (dual junctions) (400°F)
N Standard 3 pin plug w/ ground wire (400°F)
P Dual molded male connector (400°F)

⑨ Special features (optional)
Note See next page

⑩ Attached Fitting (optional)
Note See next page

⑪ Insertion length (whole in.)
Note See next page

⑫ Insertion Length (frac.in.)
Note See next page

See next page for optional attached fittings & special features (Fields 9,10,11 & 12)

See pg. 58 for compression fittings

See pg. 65-66 for more detail about termination styles

See pg. 70-71 for more detail about special features

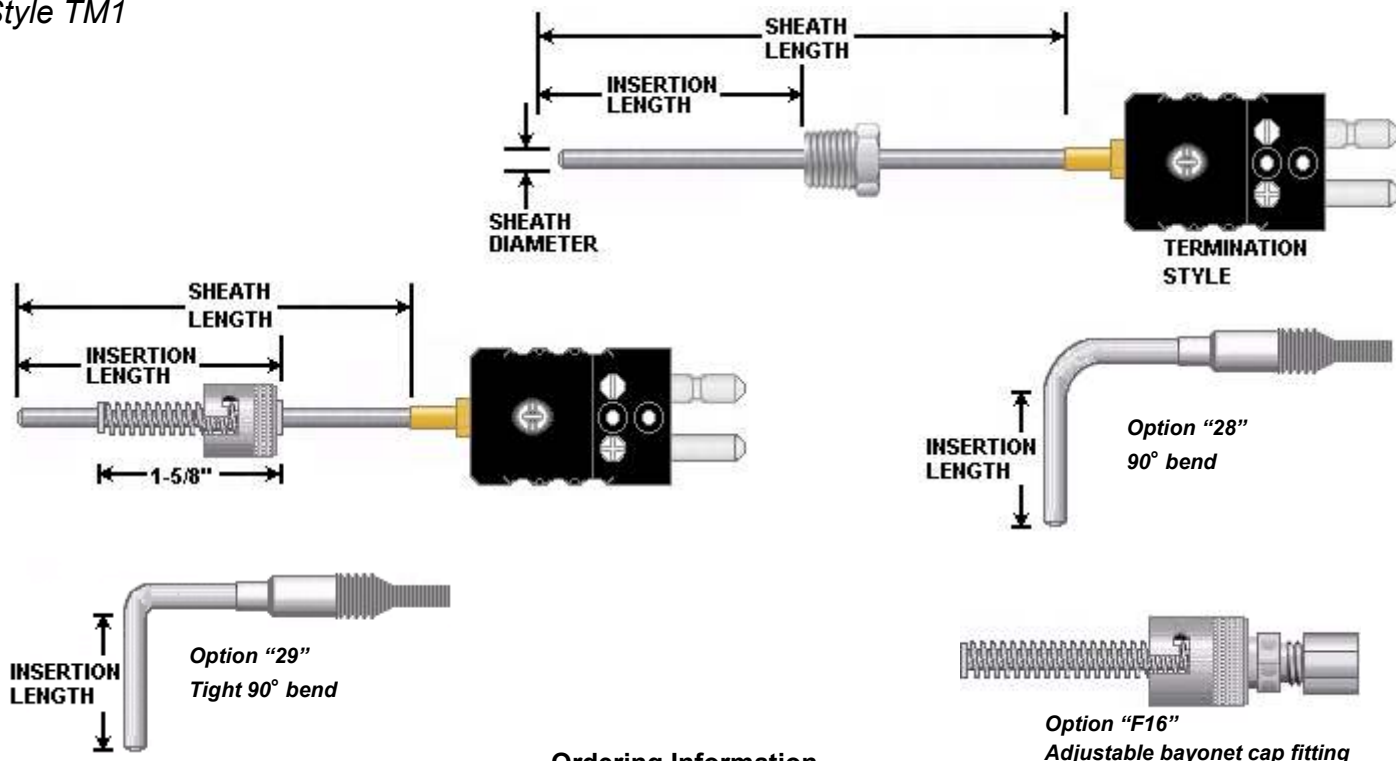


East Coast Sensors

Rigid mineral insulated thermocouple

Attached fittings & special features

Style TM1



Continue part number from previous page

Ordering Information

Part Number

⑨ Special Features	⑩ Attached Fitting	⑪ Insertion Length (whole in.)	⑫ Insertion Length (Frac.in.)

⑨	Special features (Optional)
Note	Add "00" for no special features
00	No special features
04	Flat tip probe
05	Drill point tip
09	Mating connector
18	Moisture protection boot on connector
24	Teflon covered probe
25	Free spinning fitting (held on probe by a crimp ring)
28	90 degree bend
29	Tight 90 degree bend (block bender)

⑩	Attached Fitting type (optional)
Note	Leave blank for no attached fitting
F01	1/8"npt single thread
F02	1/4"npt single thread
F03	3/8"npt single thread
F04	1/2"npt single thread
F05	3/4"npt single thread
F06	1/2"npt x 1/2"npt double thread
F07	1/2"npt double thread Spring loaded
F08	1/2"npt x 1/2"npt double thread Spring loaded w/oil seal
F09	1/2"npt x 3/4"npt double thread
F10	3/4"npt x 3/4"npt double thread
F11	Fixed 7/16"ID bayonet cap assembly (on MGO probe) (1/8"OD, 3mmOD & 3/16"OD)
F15	1"npt single thread
F16	Adjustable 7/16"ID bayonet cap fitting (1/8"OD & 3mm OD)
F17	Adjustable 12.5mm ID double slot bayonet cap fitting (1/8"OD & 3mm OD)
F18	1/8"npt compression fitting (Brass)
F19	1/8"npt compression fitting (Stainless steel)
F20	1/4"npt compression fitting (Brass)
F21	1/4"npt compression fitting (Stainless steel)
Note	For other fittings not shown contact factory

⑪	Insertion Length (in.) (optional)
001"-144"	Specify in Inches
Note	See pg. 61 for attached fitting illustrations

⑫	Insertion Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

See pg. 58 for compression fittings

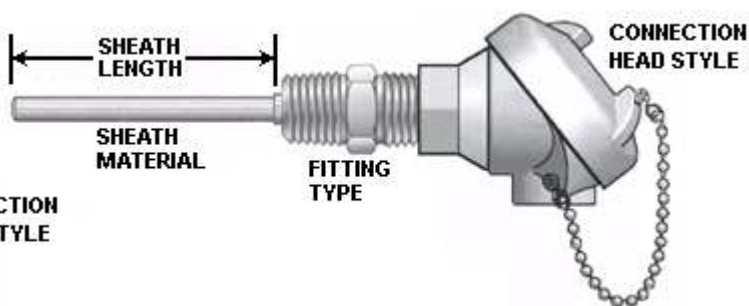
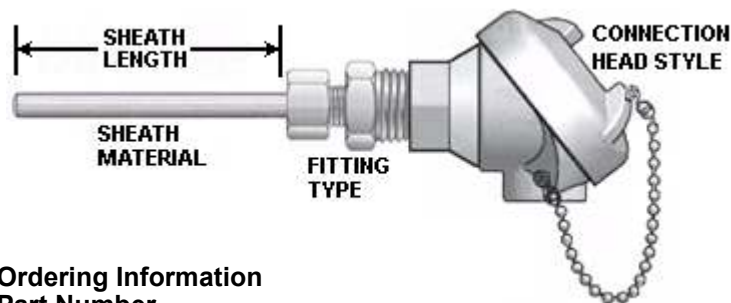
See pg. 65-66 for more detail about termination styles

See pg. 70-71 for more detail about special features



East Coast Sensors

Mineral insulated thermocouple w/connection head Style TN1



Ordering Information Part Number

① TN1	② Calibration	③ Sheath Diameter	④ Sheath Config.	⑤ Sheath Material	⑥ Sheath Length (whole in.)	⑦ Sheath Length (fractional in.)	⑧ Junction	⑨ Head Mounting Fitting	⑩ Connection head style
TN1									

Optional

⑪ Special Features	⑫ Transmitter temperature range	⑬ Scale of Temperature

②	Calibration
J	Type J (standard)
K	Type K
T	Type T
E	Type E
W	Type J (special limits)
X	Type K (special limits)
Y	Type T (special limits)
Z	Type E (special limits)

③	Sheath Diameter
H	.125" (3.2mm) (1/8")
L	.188" (4.6mm) (3/16")
N	.250" (6.4mm) (1/4")
Q	.375" (9.5mm) (3/8")

④	Sheath Configuration
W	Straight (standard)
X	90 degree bend
Y	45 degree bend

⑤	Sheath Material
F	304 SS (standard)
H	316 SS
M	INCONEL (600)
N	446 SS
P	310 SS
Q	Hastelloy
R	Pyrosil D

⑥	Sheath Length (whole in.)
001"-144"	Specify in Inches

⑦	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑧	Junction
G	Grounded (Single)
U	Ungrounded (Single)
E	Exposed (Single)
R	Exposed & Recessed (Single)
W	Grounded (Dual)
X	Ungrounded & Isolated (Dual)
Y	Ungrounded Common (Dual)
Z	Exposed & Isolated (Dual)
Note	Ungrounded & Isolated (option "X") only available in .156"OD & larger

⑨	Fitting type
6	1/2"npt x 1/2"npt double thread
7	1/2"npt double thread Spring loaded
8	1/2"npt x 1/2"npt double thread spring loaded w/oil seal
9	1/2"npt x 3/4"npt double thread
10	3/4"npt x 3/4"npt double thread
12	Single threaded brass compression fitting (no process thread)
13	Single threaded stainless compression fitting (no process thread)
14	1/2"npt x 1"npt double thread
Note	Fittings silver soldered (brazed) to sheath
Note	For other fittings not shown contact factory

⑩	Connection Head Style
A	Cast Aluminum (standard)
B	Small cast Aluminum
C	Flip top head cast aluminum
D	Cast steel
E	Stainless Steel
F	Cast Iron
G	Polypropylene
H	Explosion proof cast aluminum
Q	Explosion proof 316 Stainless steel

⑪	Special features (Optional)
Note	Leave blank for no special features
04	Flat tip probe
17	4/20 Milliamp transmitter (hockey puck style)
24	Teflon covered probe

⑫	Transmitter temperature range (Optional)
0-0000	Specify temperature range (example: 0-1200°F)

⑬	Scale of temperature (Optional)
F	(°F) Fahrenheit
C	(°C) Celsius

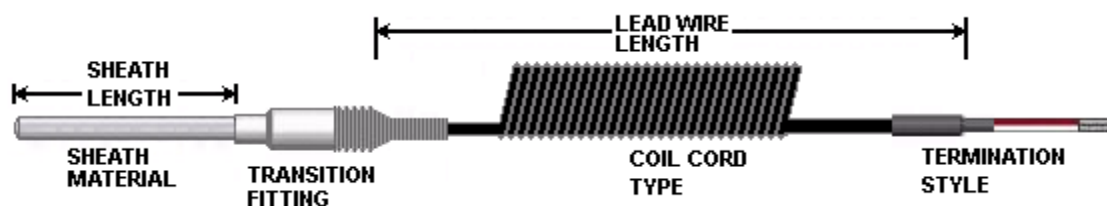


For Low profile, basic programmable 4/20 MA transmitter see option "17" in special features.
(not available w/ small cast aluminum head)



East Coast Sensors

Mineral insulated thermocouple w/ coil cord Style TW1



Ordering Information Part Number

① TW1	② Calibration	③ Sheath Diameter	④ Sheath Material	⑤ Sheath Length (whole in.)	⑥ Sheath Length (Frac.In.)	⑦ Junction	⑧ Transition fitting	⑨ Coil cord type	⑩ Lead wire Length (in.)	⑪ Termination Style
TW1										

②	Calibration
J	Type J
K	Type K
T	Type T
E	Type E
W	Type J (special limits)
X	Type K (special limits)
Y	Type T (special limits)
Z	Type E (special limits)

③	Sheath Diameter
D	.062" (1.6mm) (1/16")
E	.079" (2mm)
F	.092" (2.3mm)
G	.118" (3mm)
H	.125" (3.2mm) (1/8")
J	.156" (4mm)
K	.177" (4.5mm)
L	.188" (4.6mm) (3/16")
M	.236 (6mm)
N	.250" (6.4mm) (1/4")
Note	<i>Sizes for reference only (standard tolerances apply)</i>
Note	<i>For other diameters consult factory</i>

④	Sheath Material
F	304 SS
H	316 SS
M	INCONEL (600)
N	446 SS
P	310 SS
Q	Hastelloy
R	Pyrosil D

⑤	Sheath Length (whole in.)
001"-144"	Specify in Inches

⑥	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑦	Junction
G	Grounded (Single)
U	Ungrounded (Single)
E	Exposed (Single)
R	Exposed & Recessed (Single)

⑧	Transition Fitting
1	3/8"OD X 1.25" w/ spring (standard)
4	3/8"OD X 1.25" (no spring)
Note	<i>500°F epoxy standard</i>

⑨	Coil cord type
N	10" coil cord (extends to approx. 6ft) (220°F)
P	24" coil cord (extends to approx. 14ft) (220°F)

⑩	Lead wire length (in.)
006"-600"	Specify in Inches
Note	<i>Over 600" contact factory</i>

⑪	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
L	2" stripped leads w/ #6 Ring terminals
W	2" stripped leads w/ wire ferrules (pin terminals)

⑫	Special features (Optional)
Note	<i>Leave blank for no special features</i>
05	Drill point tip
07	Cable clamp
08	Bx Connector
09	Mating connector
18	Moisture protection boot on connector
24	Teflon covered probe

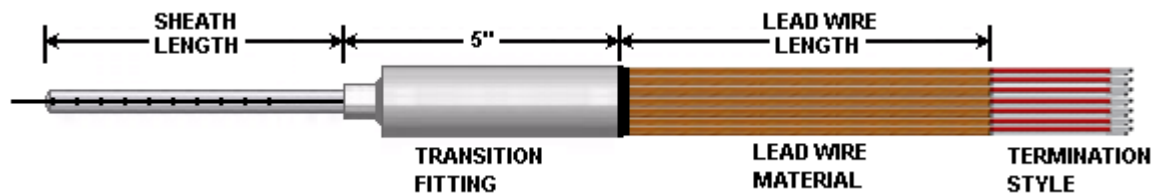
See page 58 for compression fittings

See page 65-66 for more detail about termination styles

See page 70-71 for more detail about special features



Multipoint thermocouple Style TMP1



Ordering Information Part Number

① TMP1	② Calibration	③ Sheath Diameter	④ Sheath Material	⑤ Sheath Length (whole in.)	⑥ Sheath Length (Fractional in.)	⑦ Junction	⑧ Transition fitting	⑨ Lead wire material	⑩ Lead wire Length	⑪ Termination Style
TMP1										

②	Calibration
J	Type J
K	Type K
W	Type J (special limits)
X	Type K (special limits)

③	Sheath Diameter
H	.125" (3.2mm) (1/8")
L	.188" (4.6mm) (3/16")
N	.250" (6.4mm) (1/4")
Note	Sizes for reference only (standard tolerances apply)
Note	For other diameters consult factory

④	Sheath Material
F	304 SS
H	316 SS
M	INCONEL (600)

⑤	Sheath Length (whole in.)
001"-144"	Specify in Inches

⑥	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑦	Junction
G	Grounded
U	Ungrounded

⑧	Transition fitting
X	18MM OD X 5" Long

⑨	Lead wire material
A	Fiberglass solid (800°F)
B	Teflon solid (400°F)
C	Kapton solid (500°F)
Note	Wire gauge determined by ECS based on sheath diameter

⑩	Lead wire length
006"-300"	Specify in Inches
Note	Over 600" contact factory

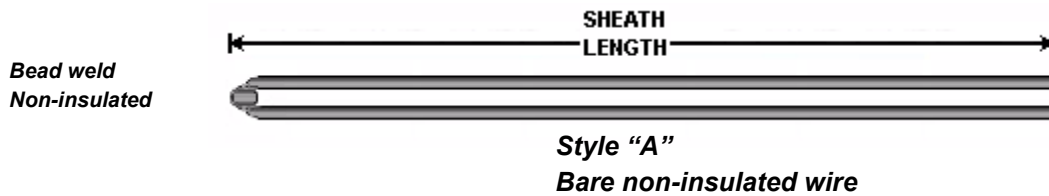
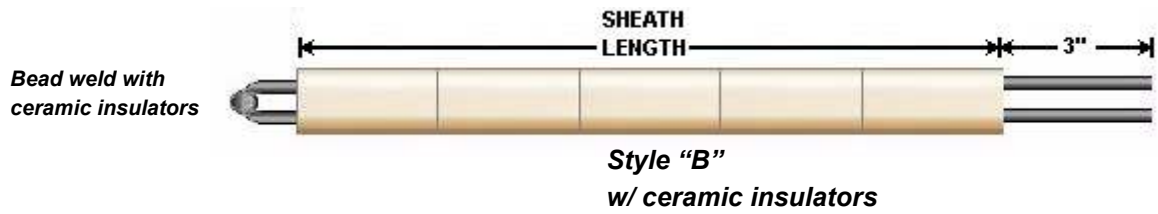
⑪	Termination style
A	2" stripped leads (bare ends)
B	2" stripped leads w/ spade lugs
C	Standard male plug (400°F)
G	Solid pin plug (400°F)
H	Standard female jack (400°F)
J	Miniature plug (400°F)
K	Miniature jack (400°F)
W	2" stripped leads w/ wire ferrules (pin terminals)

See page 65-66 for more detail about termination styles

Points	Point locations (From tip)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
Note	Fill in each point location in inches from tip (ex. 06" = 6" from tip)
Note	For a junction at the tip fill in "tip"

East Coast Sensors

Base Metal Style TX1 Series



Ordering Information Part Number

① TX1	② Calibration	③ Style	④ Wire Gauge	⑤ Weld type	⑥ Sheath Length (Whole In.)
TX1					

②	Calibration
J	J
K	K

④	Wire Gauge
08	8 gauge
14	14 gauge

⑥	Sheath Length (whole in.)
012"-060"	Specify in Inches
Note	For other configurations not shown contact factory

③	Style
A	Non insulated (bare wires)
B	Oval ceramic insulator
C	Round ceramic insulator

⑤	Weld type
F	Bead weld
H	Twisted weld



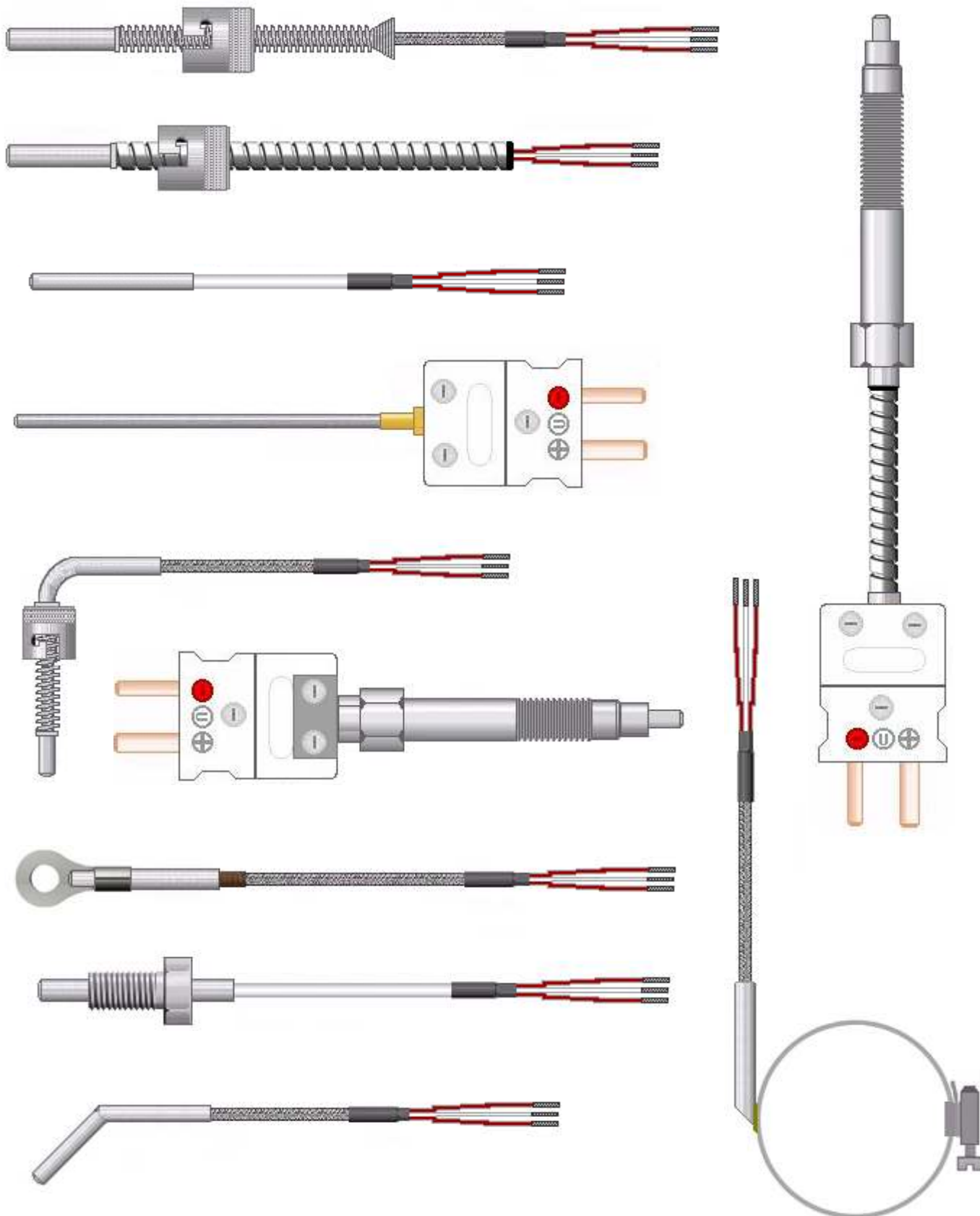
Option "B" Oval
shaped ceramic
insulator



Option "C"
Round shaped
ceramic insulator

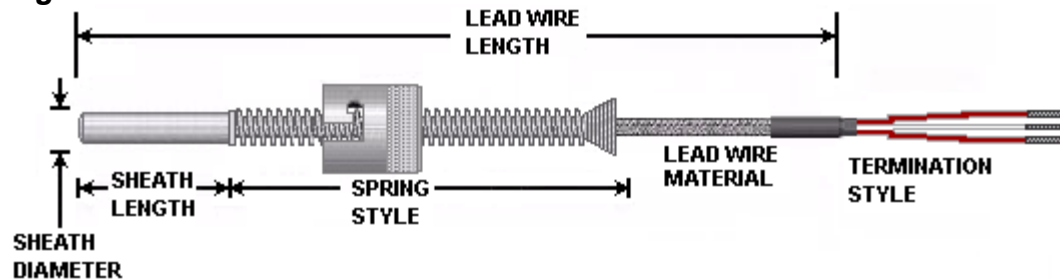


General purpose tube & wire RTDs



East Coast Sensors

Adjustable bayonet Spring RTD RA1 style



Ordering Information Part Number

① RA1	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Sheath Diameter	⑥ Sheath Length (In.)	⑦ Lead Wire Material	⑧ Lead wire Length (In.)	⑨ Cap Size	⑩ Spring Style	⑪ Termination Style	⑫ Special Features
RA1											

Optional

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
W	1000 Ω DIN 00385 (thin film)
X	120 Ω Nickel DIN 00672 (thin film)
Y	100 Ω DIN 003916 (wire wound)
Z	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Sheath Diameter
G	.118" (3mm)
H	.125" (3.2mm) (1/8")
J	.156" (4mm)
L	.188" (4.6mm) (3/16")
M	.236 (6mm)
N	.250" (6.4mm) (1/4")
P	.314" (8mm) (5/16")
Note	For reference only (standard tolerances apply)
Note	For other diameters consult factory

⑥	Sheath Length (inches)
R	1/4"
S	3/8" (standard)
W	1/2"
X	5/8"
Y	3/4"
Z	1"

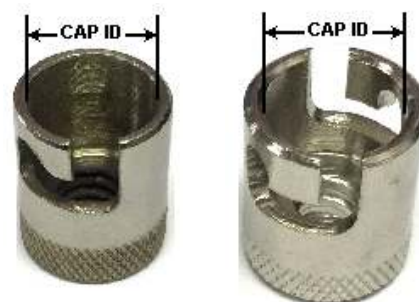
⑦	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)

⑧	Lead wire length
012-600"	Specify in Inches
Note	Over 600" contact factory

⑨	Cap/ Spring style
P	7/16" ID single slot (standard cap) / 1/4"OD x 10" spring
Q	12.5 mm ID double slot / 1/4"OD x 10" spring
R	14.7 mm ID double slot / 1/4"OD x 10" spring
S	7/16" ID single slot (standard cap) / 1/4"OD x 6" spring
T	12.5 mm ID double slot / 1/4"OD x 6" spring
W	14.7 mm ID double slot / 1/4"OD x 6" spring

⑩	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑪	Special features (Optional)
Note	Leave blank for no special features
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
18	Moisture protection boot on connector



- Adjustable spring style RTDs fit a wide variety of hole depths
- Cap spins over entire length of spring
- Spring has an od of .254"
- 24 AWG stranded wire comes standard

For bayonet adapters see pg. 50

See pg. 67 for more detail about termination styles

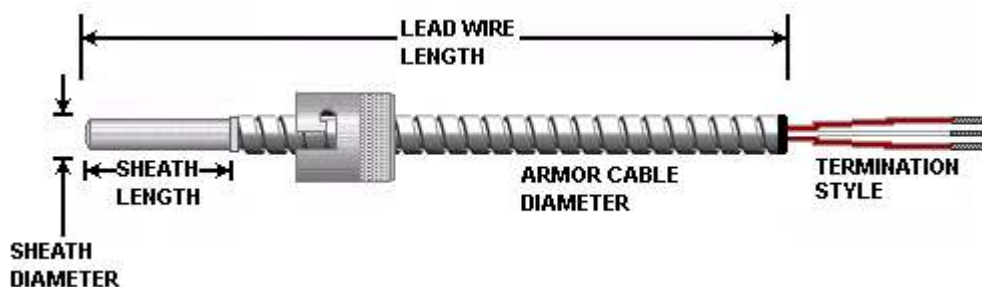
See pg. 70-71 for more detail about special features



Contact factory for other configurations 800-722-4592

East Coast Sensors

Adjustable Bayonet RTD with flexible armor cable RA2 Style



Ordering Information Part Number

① RA2	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Sheath Diameter	⑥ Sheath Length (inches)	⑦ Lead Wire Material	⑧ Lead wire Length (inches)	⑨ Cap Size	⑩ Termination Style
RA2									

Optional

⑪ Special Features

② Element type	
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
W	1000 Ω DIN 00385 (thin film)
X	120 Ω Nickel DIN 00672 (thin film)
Y	100 Ω DIN 003916 (wire wound)
Z	500 Ω DIN 003916 (wire wound)

③ Element Accuracy (0 °C)	
A	Class A (0.06%)
B	Class B (0.12%) (standard)

④ Wire Configuration	
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤ Sheath Diameter	
G	.118" (3mm)
H	.125" (3.2mm) (1/8")
J	.156" (4mm)
L	.188" (4.6mm) (3/16")
M	.236 (6mm)
N	.250" (6.4mm) (1/4")
P	.314" (8mm) (5/16")
Note	For reference only (standard tolerances apply)
Note	For other diameters consult factory

④ Sheath Length (in.)	
R	1/4"
S	3/8" (standard)
W	1/2"
X	5/8"
Y	3/4"
Z	1"

⑦ Lead wire material (inside armor cable)	
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑧ Lead wire length	
012"-600"	Specify in Inches
Note	Over 600" contact factory

⑨ Armor cable diameter/ Cap Size	
A	.275"OD/ 7/16" ID single slot (standard cap)
B	.210"OD/ 7/16" ID single slot (standard cap)
C	.275"OD/ 12.5 mm ID double slot (Metric cap)
D	.210"OD/ 12.5 mm ID double slot (Metric cap)
E	.234"OD/ 7/16" ID single slot (standard cap)
F	.234" OD/ 13 mm ID single slot Werner Pfleiderer cap

⑩ Termination style	
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑪ Special features	
Note	Leave blank for no special features
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	BX Connector
09	Mating connector



For bayonet adapters see pg. 50

See pg. 67 for more detail about termination styles

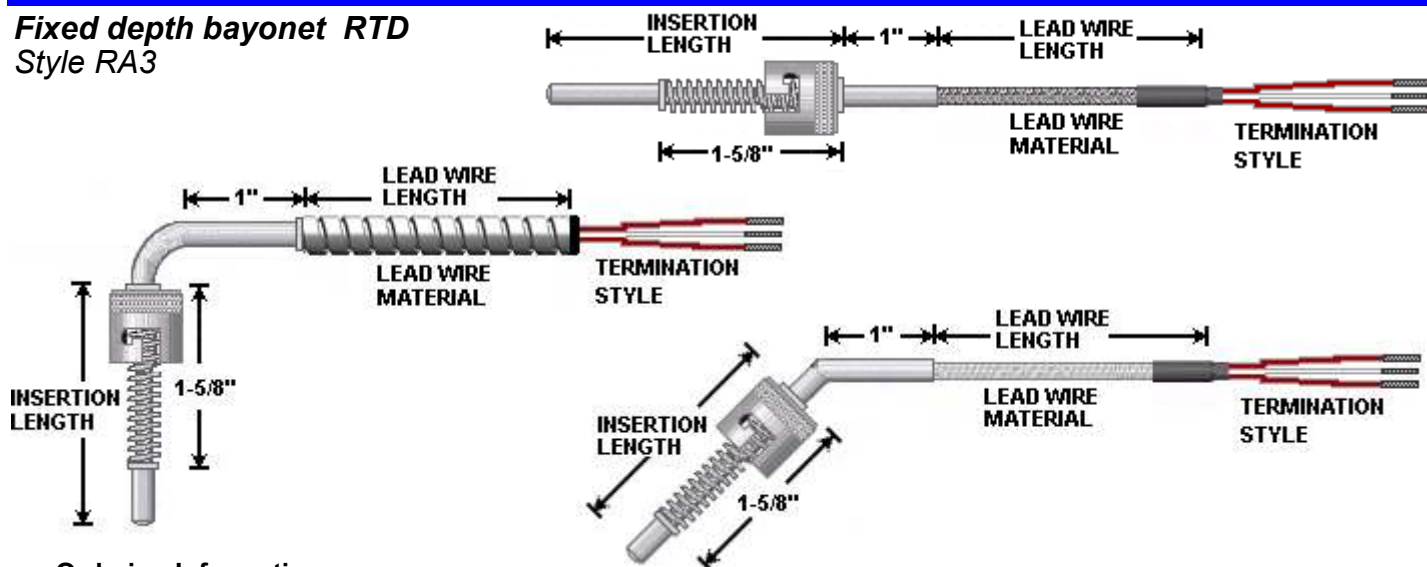
See pg. 70-71 for more detail about special features

- Adjustable armor style RTDs fit a wide variety of hole depths
- Cap spins over entire length of armor
- Armor is .265" OD
- ECS custom designed armor cable compresses & decompresses easily, ideal for extrusion applications
- 24 AWG stranded wire comes standard for



East Coast Sensors

Fixed depth bayonet RTD Style RA3



Ordering Information Part Number

① RA3	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Sheath Diameter	⑥ Sheath Config./ Cap size	⑦ Insertion Length (inches)	⑧ Insertion Length (Fractional)	⑨ Lead Wire Material	⑩ Lead wire Length (inches)	⑪ Termination Style	⑫ Special Features
RA3											

Optional

② Element type	
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
W	1000 Ω DIN 00385 (thin film)
X	120 Ω Nickel DIN 00672 (thin film)
Y	100 Ω DIN 003916 (wire wound)
Z	500 Ω DIN 003916 (wire wound)

③ Element Accuracy (0 °C)	
A	Class A (0.06%)
B	Class B (0.12%)

④ Wire Configuration	
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤ Sheath Diameter	
F	3/16" (standard)
H	1/8"
L	1/4"
M	3mm
N	4mm
P	6mm
Q	8mm

⑥ Sheath Configuration/ Cap Size	
P	Straight w/ 7/16" Single slot cap
Q	45 Degree w/ 7/16" Single slot cap
R	90 Degree w/ 7/16" Single slot cap

⑦ Insertion Length (whole in.)	
002"-020"	Specify in Inches

⑧ Insertion Length (fractional in.)	
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑨ Lead wire material	
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑩ Lead wire length	
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑪ Termination style	
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑫ Special features (Optional)	
Note	Leave blank for no special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
21	Teflon coated armor cable

- 24 AWG stranded wire comes standard for .125" and .118"

For bayonet adapters see pg. 56

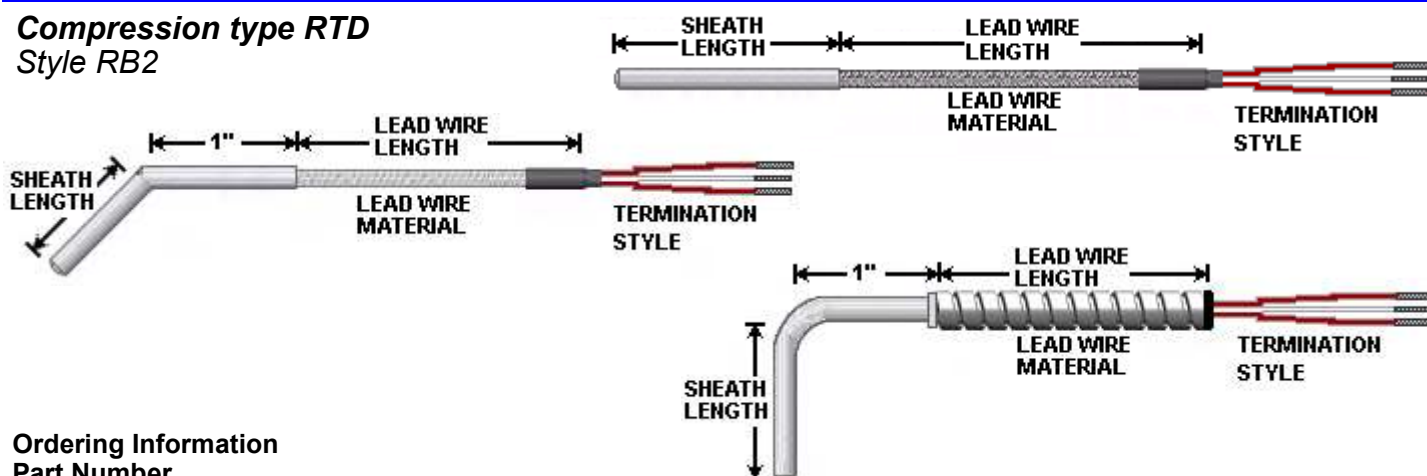
For special features see pg. 70-71



Contact factory for other configurations 800-722-4592

East Coast Sensors

Compression type RTD Style RB2



Ordering Information Part Number

① RB2	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Sheath Diameter	⑥ Sheath Configuration	⑦ Sheath Length (In.)	⑧ Sheath Length (Frac.In.)	⑨ Lead Wire Material	⑩ Lead wire Length (In.)	⑪ Termination Style	⑫ Special Features
RB2											

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
W	1000 Ω DIN 00385 (thin film)
X	120 Ω Nickel DIN 00672 (thin film)
Y	100 Ω DIN 003916 (wire wound)
Z	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Sheath Diameter
G	.118" (3mm)
H	.125" (3.2mm) (1/8")
J	.156" (4mm)
K	.177" (4.5mm)
L	.188" (4.6mm) (3/16")
M	.236 (6mm)
N	.250" (6.4mm) (1/4")
P	.314" (8mm) (5/16")
Q	.375" (9.5mm) (3/8")
Note	For reference only (standard tolerances apply)
Note	For other diameters consult factory

⑥	Sheath Configuration
X	Straight
Y	45 Degree
Z	90 Degree

⑦	Sheath Length
001"-060"	Specify in Inches

⑧	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑨	Lead wire material RTD
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑩	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑪	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑫	Special features (Optional) RTDS
Note	Leave blank for no special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
10	Armor cable adaptor
18	Moisture protection boot on connector
21	Teflon coated armor cable
27	Transition Fitting on tube & wire sensor

See pg. 58 for compression fittings

See pg. 67 for more detail about termination styles

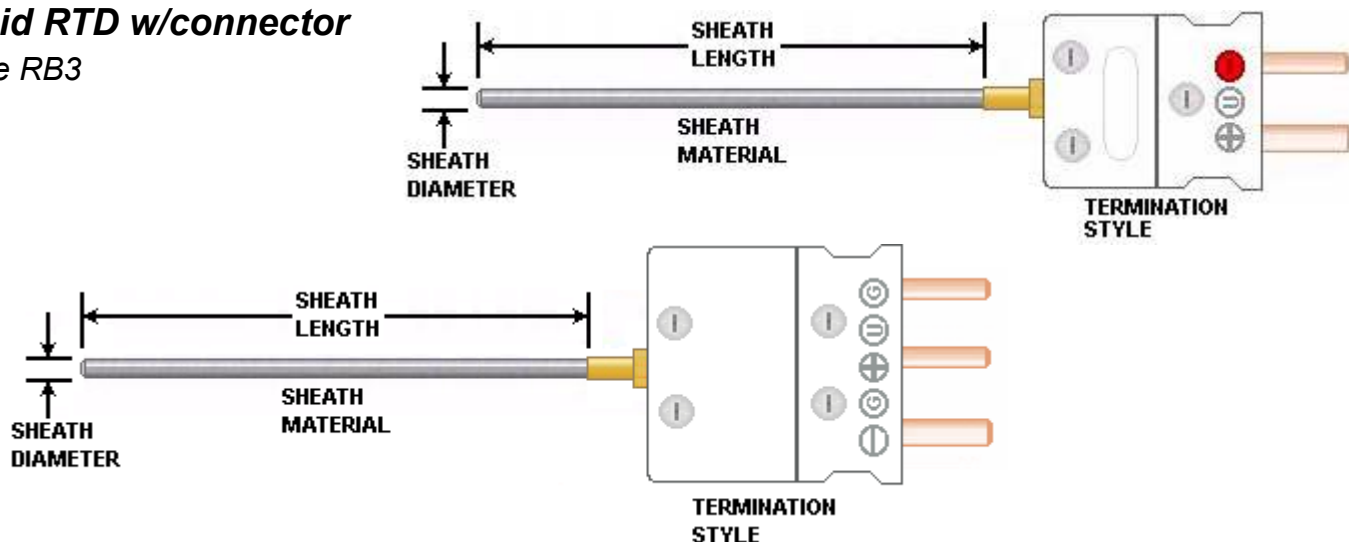
See pg. 70-71 for more detail about special features



East Coast Sensors

Rigid RTD w/connector

Style RB3



Ordering Information Part Number

① RB3	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Sheath Diameter	⑥ Sheath Length (inches)	⑦ Bend Type	⑧ Termination Style	⑨ Special Features
RB3								

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
V	1000 Ω DIN 00385 (thin film)
W	120 Ω Nickel DIN 00672 (thin film)
X	100 Ω DIN 003916 (wire wound)
Y	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Sheath Diameter
F	3/16" (standard)
H	1/8"
L	1/4"
N	4mm
P	6mm

⑥	Sheath Length
006"-060"	Specify in Inches

⑦	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑧	Termination style RTDs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)

⑨	Special features (Optional)
Note	Leave blank for no special features
04	Flat tip probe
05	Drill point tip
07	Cable clamp
08	Bx Connector
09	Mating connector
18	Moisture protection boot on connector
24	Teflon covered probe
26	Connector mounted with tube adapter

- 24 awg stranded fiberglass wire inside (700°F) max
- For other configurations contact factory
- Single lead (White) is on the (- pin) for 3-wire RTD connectors

See pg. 58 for compression fittings

See pg. 67 for more detail about termination styles

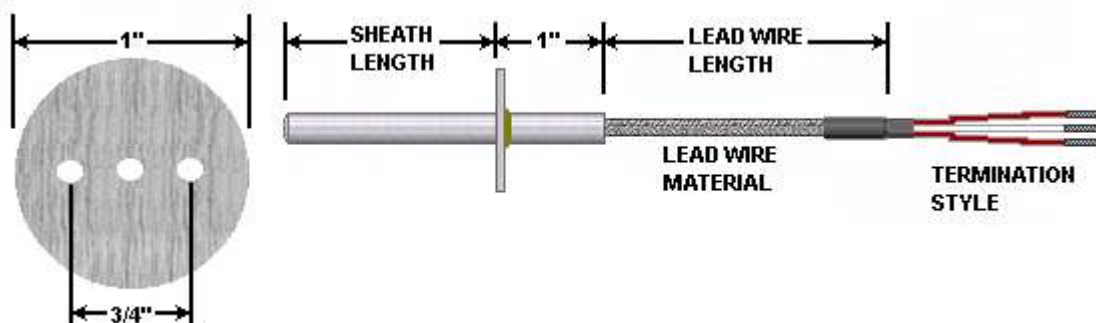
See pg. 70-71 for more detail about special features



Contact factory for other configurations 800-722-4592

East Coast Sensors

Mounting flange RTD Series RB4



Ordering Information Part Number

① RB4	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Sheath Diameter	⑥ Sheath Length (In.)	⑦ Sheath Length (Frac.In.)	⑧ Lead Wire Material	⑨ Lead wire Length (In.)	⑩ Termination Style	⑪ Special Features
RB4										

Optional

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
W	1000 Ω DIN 00385 (thin film)
X	120 Ω Nickel DIN 00672 (thin film)
Y	100 Ω DIN 003916 (wire wound)
Z	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Sheath Diameter
H	.125" (3.2mm) (1/8")
J	.156" (4mm)
L	.188" (4.6mm) (3/16")
M	.236 (6mm)
N	.250" (6.4mm) (1/4")
Note	For reference only (standard tolerances apply)
Note	For other diameters consult factory

⑥	Sheath Length
001"-060"	Specify in Inches

⑦	Sheath Length (fractional in.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑧	Lead wire material RTD
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑨	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑩	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑪	Special features (Optional) RTDS
Note	Leave blank for no special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
18	Moisture protection boot on connector
21	Teflon coated armor cable
Note	For color code chart see pg. 57

- Mounting holes drilled for #10 screw
- Flange is silver soldered to probe

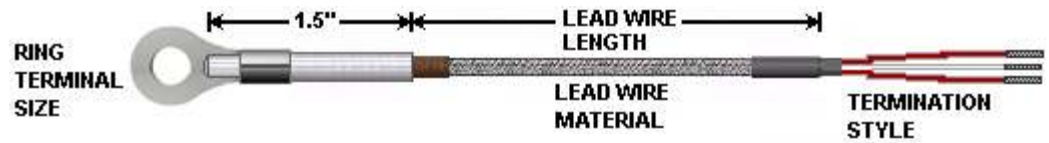
See pg. 67 for more detail about termination styles

See pg. 70-71 for more detail about special features



Ring Terminal RTD

Style RC1



Ordering Information Part Number

① RC1	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Ring Terminal size	⑥ Lead Wire Material	⑦ Lead wire Length (inches)	⑧ Termination Style	⑨ Special Features
RC1								

Optional

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
W	1000 Ω DIN 00385 (thin film)
X	120 Ω Nickel DIN 00672 (thin film)
Y	100 Ω DIN 003916 (wire wound)
Z	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Ring Terminal Size
F	#6 (.147" hole size)
H	#8 (.173" hole size)
M	#10 (.198" hole size)
N	1/4" (.263" hole size)
P	5/16" (.336" hole size)
Q	3/8" (.393" hole size)

⑥	Lead wire material RTD
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑦	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑧	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑨	Special features (Optional)
Note	Leave blank for no special features
01	Solid conductor (Lead wire)
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
18	Moisture protection boot on connector
21	Teflon coated armor cable

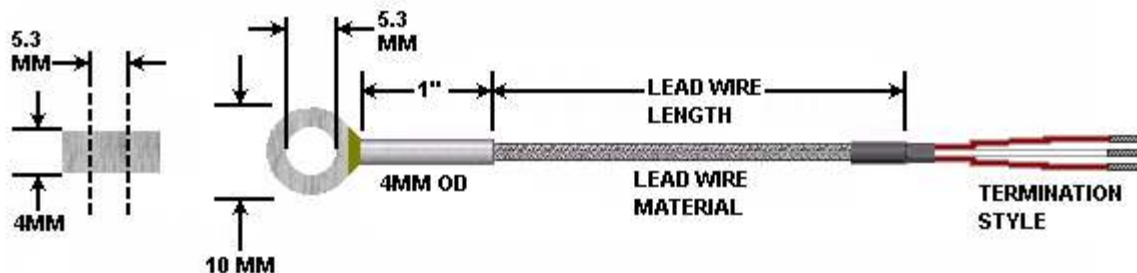
- Ring terminal can be mounted under various different screw sizes to sense temperature of a surface
- This style offers a strain relief sleeve to prevent excess wearing, where the lead wire exits the neck of the ring terminal, improving longevity

See pg. 67 for more detail about termination styles

See pg. 70-71 for more detail about special features

East Coast Sensors

Spacer RTD Style RC2



Ordering Information Part Number

① RC2	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Ring Terminal size	⑥ Lead Wire Material	⑦ Lead wire Length (inches)	⑧ Termination Style	⑨ Special Features
RC2								

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
W	1000 Ω DIN 00385 (thin film)
X	120 Ω Nickel DIN 00672 (thin film)
Y	100 Ω DIN 003916 (wire wound)
Z	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Spacer Size
X	5.3mm ID x 10mm OD x 4mm thick
Note	Check with factory for custom sizes

⑥	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑦	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑧	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑨	Special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	BX Connector
09	Mating connector

- 24 AWG stranded wire comes standard on spacer type thermocouples
- Spacer is silver soldered to probe

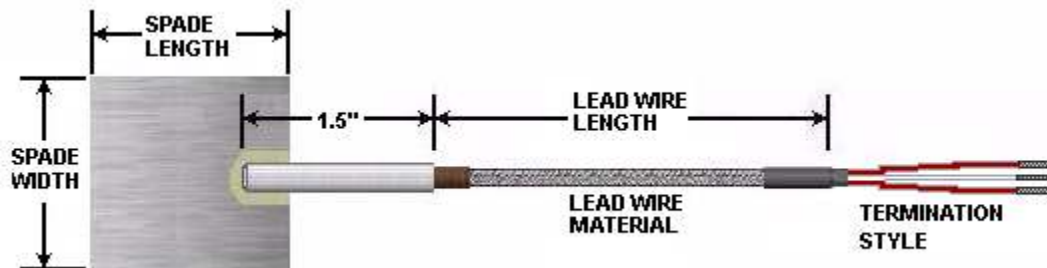
See pg. 67 for more detail about termination styles

See pg. 70-71 for more detail about special features



East Coast Sensors

Spade RTD Style RE1



Ordering Information Part Number

① RE1	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Spade Size	⑥ Lead Wire Material	⑦ Lead wire Length (inches)	⑧ Termination Style	⑨ Special Features
RE1								

Optional

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
V	1000 Ω DIN 00385 (thin film)
W	120 Ω Nickel DIN 00672 (thin film)
X	100 Ω DIN 003916 (wire wound)
Y	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Spade size
F	1/2" x 1/2"
H	5/8" x 5/8"
M	3/4" x 3/4"
N	1" x 1"
P	3/4 x 7/8"
Q	1/2" x 5/8"
Note	Check with factory for custom sizes

⑥	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑦	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑧	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑨	Special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	BX Connector
09	Mating connector

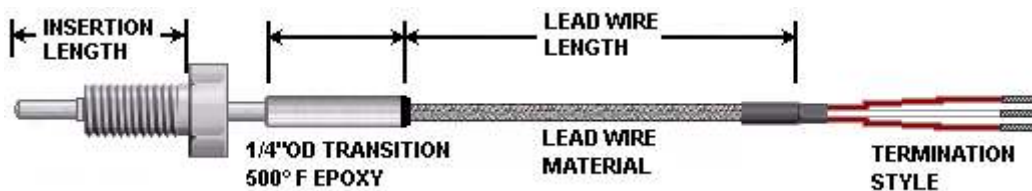
- 24 awg stranded wire comes standard
- Spade is silver soldered to probe
- Spade is .010" thick

See pg. 67 for more detail about termination styles

See pg. 70-71 for more detail about special features



Threaded bolt (nozzle) RTD Style RF1



Ordering Information Part Number

① RF1	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Thread size	⑥ Lead Wire Material	⑦ Lead wire Length (inches)	⑧ Termination Style	⑨ Special Features
RF1								

Optional

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
V	1000 Ω DIN 00385 (thin film)
W	120 Ω Nickel DIN 00672 (thin film)
X	100 Ω DIN 003916 (wire wound)
Y	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Thread size
F	1/4-28
H	1/4-20
M	M6 x 1 pitch
N	M8 x 1 pitch
P	M8 x 1.25 pitch
Q	10-32 (Grounded only)
R	8-32 (Grounded only)

⑥	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑦	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑧	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑨	Special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	BX Connector
09	Mating connector

Step 5: Thread size

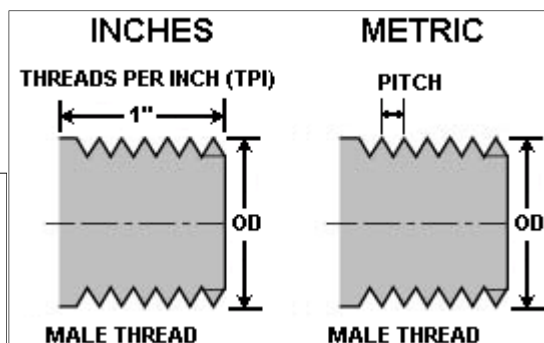
EXAMPLE:

Inches

1/4-28 bolt = 1/4"OD thread x 28 TPI

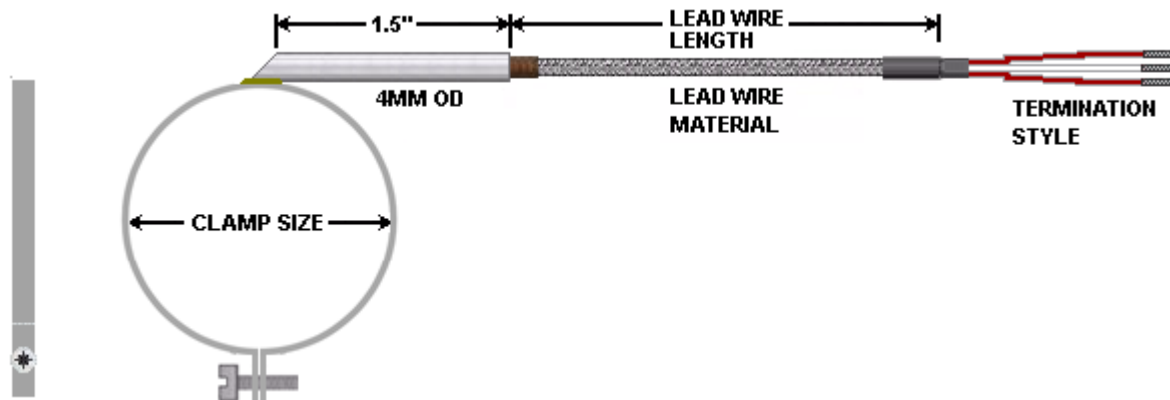
Metric

M12 x 1.25 pitch = 12mm OD thread x 1.25mm peak to peak



East Coast Sensors

Nozzle Clamp RTD Style RG1



Ordering Information Part Number

① RG1	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Clamp Size (mm)	⑥ Lead Wire Material	⑦ Lead Wire Length (Inches)	⑧ Termination Style
RG1							

Optional

⑨ Special Features

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
V	1000 Ω DIN 00385 (thin film)
W	120 Ω Nickel DIN 00672 (thin film)
X	100 Ω DIN 003916 (wire wound)
Y	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Clamp size (mm)
F	16MM
H	30MM
M	40MM
N	50MM
P	60MM
Q	70MM
Note	Check with factory for custom sizes

⑥	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑦	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑧	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑨	Special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	BX Connector
09	Mating connector

- 24 AWG stranded wire comes standard
- For other configurations contact factory

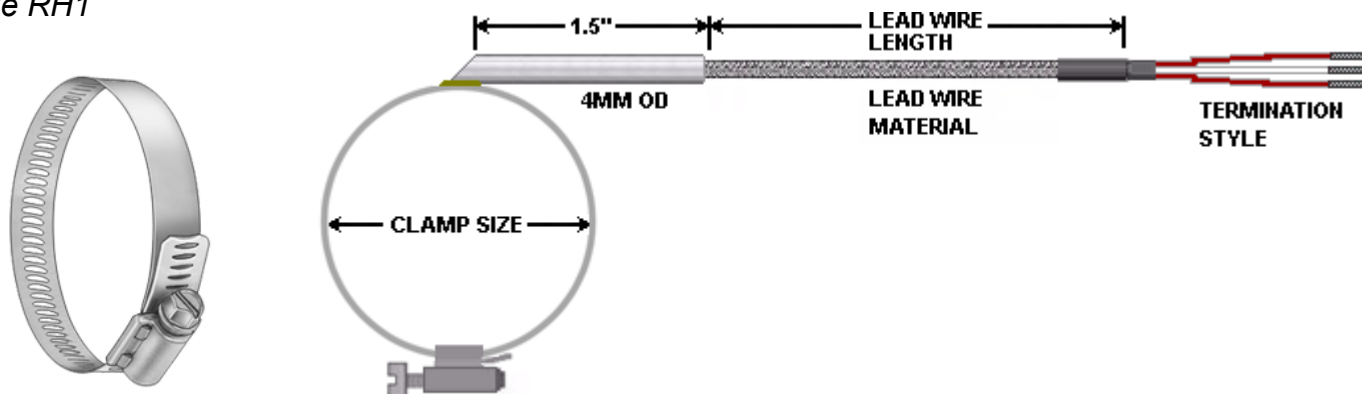
See pg. 67 for more detail about termination styles

See pg. 70-71 for more detail about special features



East Coast Sensors

Hose Clamp RTD Style RH1



Ordering Information Part Number

① RH1	② Element Type	③ Element Accuracy	④ Wire Configuration	⑤ Clamp Size (Inches)	⑥ Lead Wire Material	⑦ Lead Wire Length (Inches)	⑧ Termination Style	⑨ Special Features
RH1								

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
V	1000 Ω DIN 00385 (thin film)
W	120 Ω Nickel DIN 00672 (thin film)
X	100 Ω DIN 003916 (wire wound)
Y	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Clamp size (Inches)
F	1/4" to 5/8"
H	5/8" to 1"
M	1" to 2"
N	2" to 3"
P	3" to 4"
Q	4" to 5"
R	5" to 6"
S	6" to 7"
Note	Check with factory for custom sizes

⑥	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑦	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑧	Termination style
A	2" stripped leads (bare ends) (standard)
B	2" stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/ wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑨	Special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector

- 24 awg stranded wire comes standard on hose clamp type RTDs
- Most clamps come in 5/16" or 1/2" bandwidth
- For other configurations contact factory

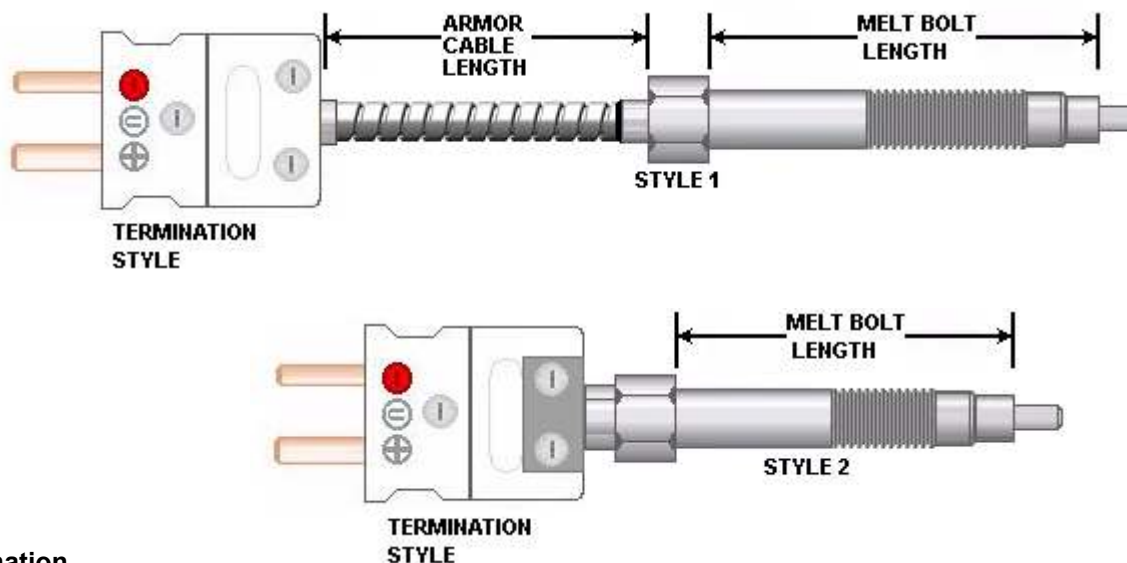
See pg. 67 for more detail about termination styles

See pg. 70-71 for more detail about special features



Contact factory for other configurations 800-722-4592

Melt bolt RTD Style RJ1



Ordering Information Part Number

① RJ1	② Melt bolt style	③ Melt bolt length	④ Element Type	⑤ Element Accuracy	⑥ Wire Configuration	⑦ Sheath Diameter	⑧ Sheath Length	⑨ Armor Cable Length (inches)	⑩ Termination Style
RJ1									

② Melt bolt style
A Style 1
B Style 2

③ Melt bolt length (inches)
3 3"
4 4"
6 6"
7 7"
9 9"
12 12"
14 14"

④ Element type
T 100 Ω DIN 00385 (thin film)
U 500 Ω DIN 00385 (thin film)
V 1000 Ω DIN 00385 (thin film)
W 120 Ω Nickel DIN 00672 (thin film)
X 100 Ω DIN 003916 (wire wound)
Y 500 Ω DIN 003916 (wire wound)

⑤ Element Accuracy (0 °C)
A Class A (0.06%)
B Class B (0.12%)

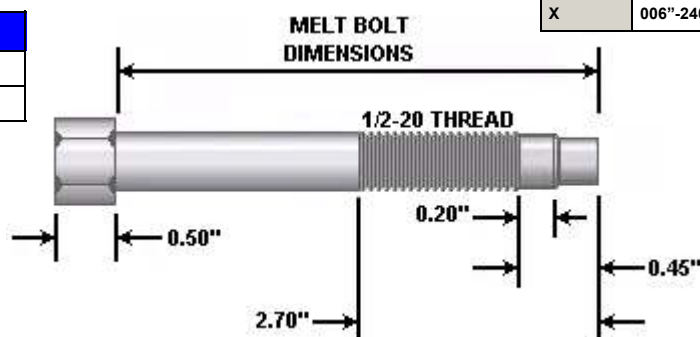
⑥ Wire Configuration
2 2-wire
3 3-wire
4 4-wire
5 2-wire (Dual)
6 3-wire (Dual)

⑦ Sheath Diameter
L .125"OD
M .188"OD

⑧ Sheath Length
T Flush
U 1/4"
V 3/8" (standard)
W 1/2"
X 5/8"
Y 3/4"
Z 1"

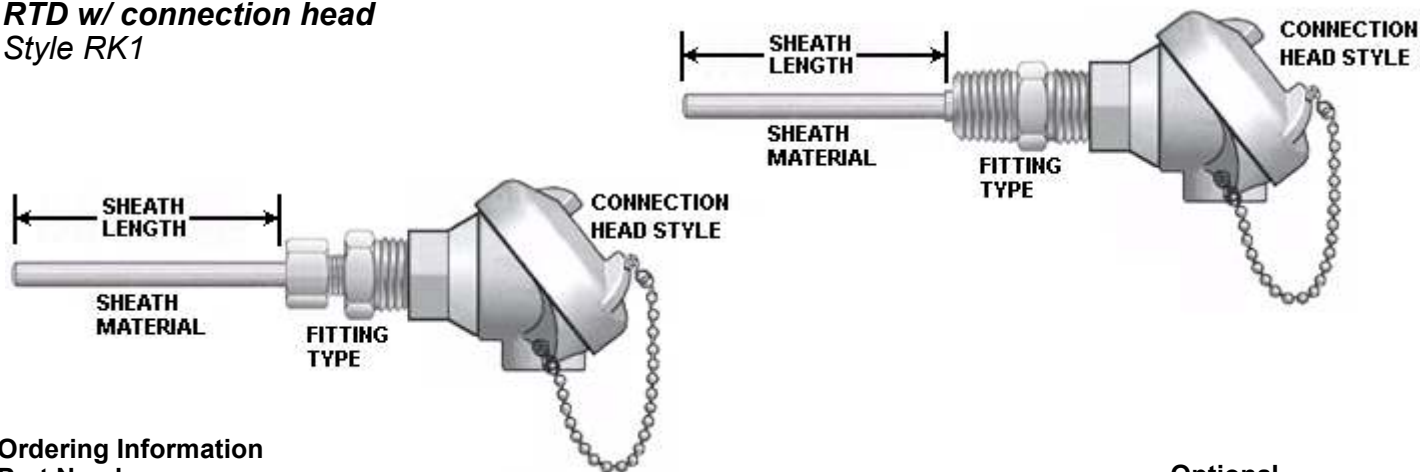
⑨ Armor cable length
F 4" (standard) (melt bolt style 1 only)
006"-600" For other length specify in Inches (melt bolt style 1 only)
X Style 2 (no armor cable)
Note Over 600" contact factory

⑩ Termination style RTDs
A 2" stripped leads (bare ends) (standard)
B 2 "stripped leads w/ #8 spade lugs
C Standard male 2 pin plug (400°F)
D Standard male 3 pin plug (400°F)
F Standard 2 pin female jack (400°F)
G Standard 3 pin female jack (400°F)
H Miniature male 2 pin plug (400°F)
I Miniature male 3 pin plug (400°F)
J Miniature female 2 pin jack (400°F)
K Miniature female 3 pin jack (400°F)
W 2" stripped leads w/wire ferrules (pin terminals)
X Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
X 006"-240" Specify in Inches



East Coast Sensors

RTD w/ connection head Style RK1



Ordering Information Part Number

① RK1	② Element Type	③ Element Accuracy	④ Wire Config.	⑤ Sheath Diameter	⑥ Sheath Construction	⑦ Sheath Length (whole In.)	⑧ Sheath Length (fractional In.)	⑨ Connection Head Style	⑩ Fitting Type	⑪ Special Features (Optional)	⑫ Transmitter temperature range	⑬ Scale of Temperature
RK1												

Optional

②	Element type
T	100 Ω DIN 00385 (thin film)
U	500 Ω DIN 00385 (thin film)
W	1000 Ω DIN 00385 (thin film)
X	120 Ω Nickel DIN 00672 (thin film)
Y	100 Ω DIN 003916 (wire wound)
Z	500 Ω DIN 003916 (wire wound)

③	Element Accuracy (0 °C)
A	Class A (0.06%)
B	Class B (0.12%)

④	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

⑤	Sheath Diameter
F	3/16" (standard)
H	1/8"
L	1/4"
M	3mm
N	4mm
P	6mm
Q	8mm

⑥	Sheath Construction
A	FEP Teflon insulation (400°F)
B	Fiberglass insulation (800°F)
C	Mineral Insulated (900°F)
Note	Option "C" is flexible MGO RTD cable

⑦	Sheath Length (whole In.)
02"-60"	Specify in Inches
Note	For longer lengths consult factory

⑧	Sheath Length (fractional In.)
A	0
B	1/8"
C	1/4"
D	3/8"
E	1/2"
F	5/8"
G	3/4"
H	7/8"

⑨	Connection Head Style
A	Cast Aluminum
B	Small cast Aluminum
C	Flip top head cast aluminum
D	Cast steel
E	Stainless Steel
F	Cast Iron
G	Polypropylene
H	Explosion proof cast aluminum

⑩	Fitting type
F06	1/2"npt x 1/2"npt double thread
F07	1/2"npt double thread Spring loaded
F08	1/2"npt x 1/2"npt double thread Spring loaded w/oil seal
F09	1/2"npt x 3/4"npt double thread
F10	3/4"npt x 3/4"npt double thread
F12	Single threaded brass compression fitting (no process thread)
F13	Single threaded stainless compression fitting (no process thread)
F14	1/2"npt x 1"npt double thread
Note	For other fittings not shown contact factory

⑪	Special features (Optional)
Note	Leave blank for no special features
04	Flat tip probe
05	Drill point tip
17	4/20 Milliamp transmitter (hockey puck style)
22	HART-compatible 4/20 milliamp transmitter
24	Teflon covered probe
Note	For color code chart see pg. 57

⑫	Transmitter temperature range (Optional)
0-0000	Specify temperature range (example: 0-1200°F)

⑬	Scale of temperature (Optional)
F	(°F) Fahrenheit
C	(°C) Celsius



- For Low profile, basic programmable 4/20 MA transmitter see option "17" in special features
- For MGO RTD see option "C".



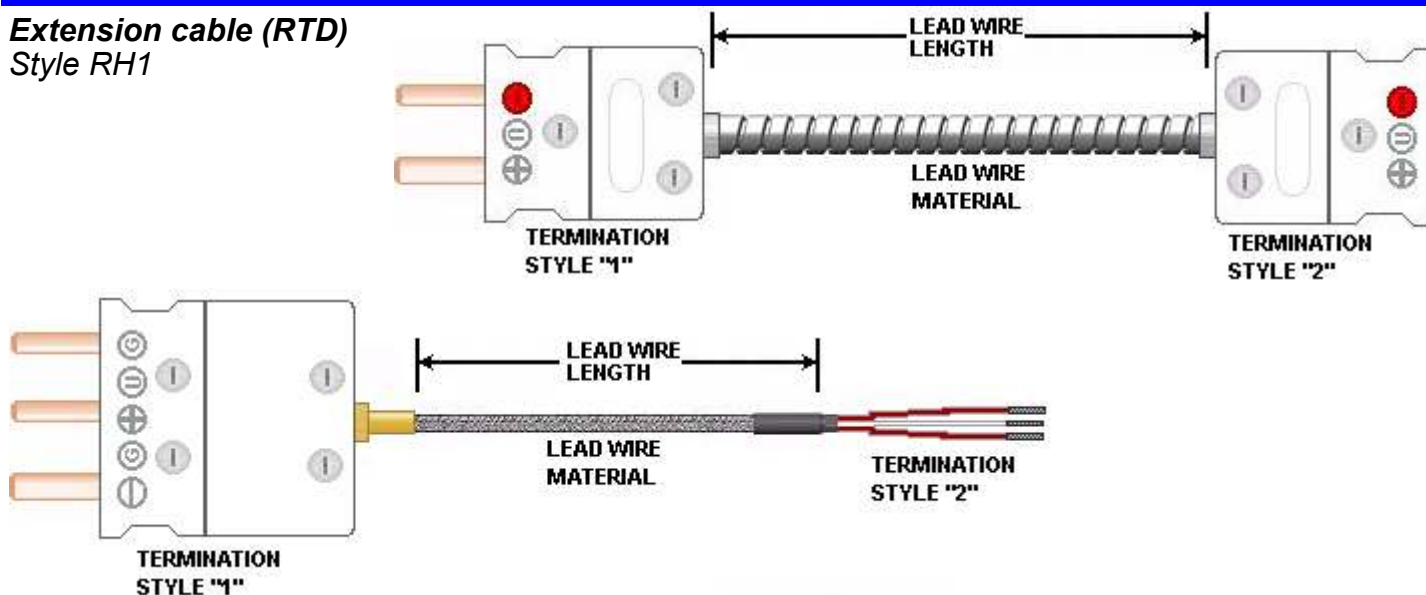
- For HART-compatible transmitter see option "22" in special features



Contact factory for other configurations 800-722-4592

East Coast Sensors

Extension cable (RTD) Style RH1



Ordering Information Part Number

① RH1	② Wire configuration	③ Termination Style "1"	④ Lead wire material	⑤ Lead wire Length (In.)	⑥ Termination Style "2"
RH1					

⑦ Special Features

②	Wire Configuration
2	2-wire
3	3-wire
4	4-wire
5	2-wire (Dual)
6	3-wire (Dual)

③	Termination style "1"
A	2" stripped leads (bare ends) (standard)
B	2 "stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
X	006"-240" Specify in Inches

④	Lead wire material
A	Fiberglass (800°F)
B	Teflon FEP (400°F)
C	Fiberglass with stainless steel braid (800°F)
D	Teflon FEP with stainless steel braid (400°F)
E	Fiberglass with armor cable (800°F)
F	Teflon with armor cable (400°F)
G	Fiberglass with stainless steel braid (800°F) w/ armor cable
H	Teflon FEP with stainless steel braid (400°F) w/ armor cable

⑤	Lead wire length
006"-600"	Specify in Inches
Note	Over 600" contact factory

⑥	Termination style "2"
A	2" stripped leads (bare ends) (standard)
B	2 "stripped leads w/ #8 spade lugs
C	Standard male 2 pin plug (400°F)
D	Standard male 3 pin plug (400°F)
F	Standard 2 pin female jack (400°F)
G	Standard 3 pin female jack (400°F)
H	Miniature male 2 pin plug (400°F)
I	Miniature male 3 pin plug (400°F)
J	Miniature female 2 pin jack (400°F)
K	Miniature female 3 pin jack (400°F)
W	2" stripped leads w/wire ferrules (pin terminals)
X	Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240"	006"-240" Specify in Inches

⑦	Special features (Optional) RTDS
Note	Leave blank for no special features
02	1.5" long strain relief spring
03	1.5" long heat shrink where wire exits the probe
04	Flat tip probe
05	Drill point tip
06	Epoxy seal (500°F)
07	Cable clamp
08	Bx Connector
09	Mating connector
10	Armor cable adaptor
18	Moisture protection boot on connector
21	Teflon coated armor cable
27	Transition Fitting on tube & wire sensor

See page 67 for more detail about termination styles

See page 70-71 for more detail about special features



Accessories



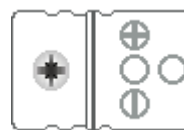
Thermocouple Connectors

Standard size & Miniature



**Thermoplastic (Hollow Pin)
Standard Size Male Connector**

Part Number	Calibration
TP-J	Type J
TP-K	Type K
TP-T	Type T
TP-E	Type E



**Thermoplastic
Standard Size Female Connector**

Part Number	Calibration
TJ-J	Type J
TJ-K	Type K
TJ-T	Type T
TJ-E	Type E



**Thermoplastic
Miniature Male Connector**

Part Number	Calibration
MTP-J	Type J
MTP-K	Type K
MTP-T	Type T
MTP-E	Type E



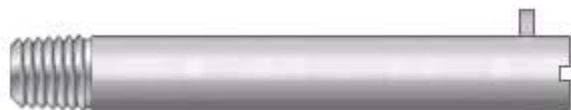
**Thermoplastic
Miniature Female Connector**

Part Number	Calibration
MTJ-J	Type J
MTJ-K	Type K
MTJ-T	Type T
MTJ-E	Type E

- Other calibrations & configurations available upon request

Bayonet Adapters

1/8" NPT & 3/8"-24 Thread



Standard size bayonet adapters

Part Number	Length
BA-078	7/8"
BA-100	1"
BA-114	1-1/4"
BA-138	1-3/8"
BA-112	1-1/2"
BA-200	2"
BA-214	2-1/4"
BA-212	2-1/2"
BA-300	3"
BA-312	3-1/2"



- Nickel plated brass
- 1/8"NPT
- 7/16" diameter
- Single pin
- Other thread sizes and lengths available
- Mates with standard bayonet cap



Standard size bayonet adapters

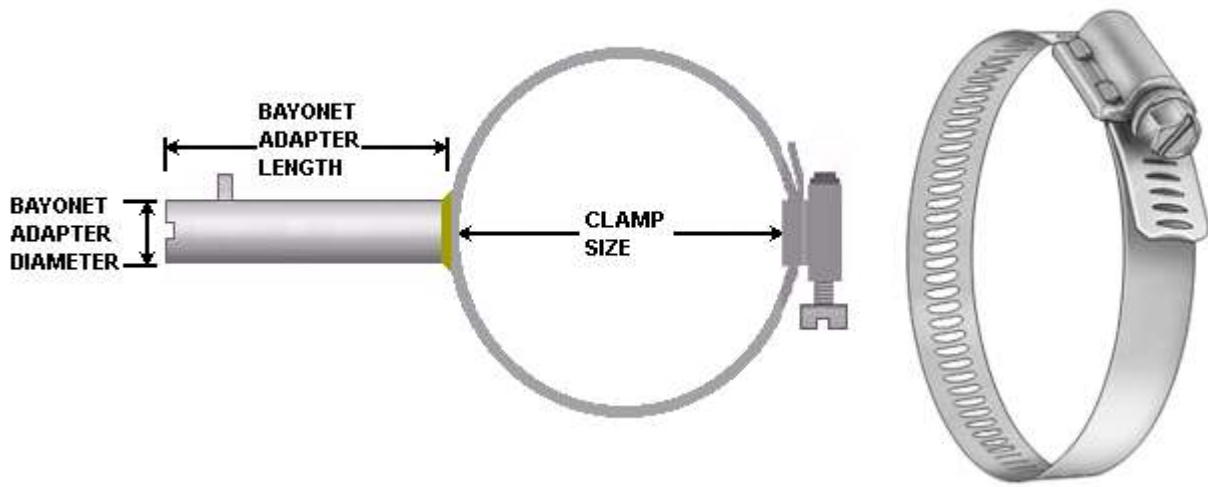
Part Number	Length
BAS-078	7/8"
BAS-114	1-1/4"
BAS-138	1-3/8"
BAS-112	1-1/2"
BAS-214	2-1/4"
BAS-212	2-1/2"
BAS-300	3"
BAS-312	3-1/2"

- Zinc plated steel
- 3/8-24 Straight thread
- 7/16" diameter
- Single pin
- Other thread sizes and lengths available
- Mates with standard bayonet cap

- *For other bayonet adapters consult factory*
- *Length includes threads*

Hose clamp bayonet adapter

Style HCA1



Ordering Information Part Number

① HCA1	② Clamp Size	③ Bayonet adapter diameter	④ Bayonet adapter length
HCA1			

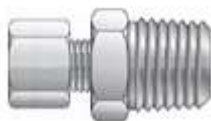
②	Clamp size
F	1/4" to 5/8"
H	5/8" to 1"
M	1" to 2"
N	2" to 3"
P	3" to 4"
Q	4" to 5"
R	5" to 6"
S	6" to 7"
Note	Check with factory for custom sizes

③	Bayonet adapter diameter
F	7/16" (standard) single pin
H	12mm double pin
M	14mm double pin

④	Bayonet adapter length
01	1"
02	1.5"
03	2"
04	2.5"
05	3"
06	3.5"
07	4"
08	4.5"
09	5"
10	5.5"

- Bayonet adapters constructed of Nickel plated brass
- Hose clamps constructed of 301 stainless steel
- Single pin & double pin available
- Mates with standard or metric bayonet cap
- Not all bayonet adapter configurations are in stock. Minimum order quantities may apply on some configurations

Compression Fitting Brass & Stainless Steel CFS & CFB style



Stainless Steel (single ferrule)

Part Number	NPT Thread Size	Probe Size (bore)
CFS16-16	1/16"NPT	1/16"
CFS18-16	1/8"NPT	1/16"
CFS18-18	1/8"NPT	1/8"
CFS18-316	1/8"NPT	3/16"
CFS18-14	1/8"NPT	1/4"
CFS14-116	1/4"NPT	1/16"
CFS14-18	1/4"NPT	1/8"
CFS14-316	1/4"NPT	3/16"
CFS14-14	1/4"NPT	1/4"
CFS14-516	1/4"NPT	5/16"
CFS14-38	1/4"NPT	3/8"
CFS38-18	3/8"NPT	1/8"
CFS38-316	3/8"NPT	3/16"
CFS38-14	3/8"NPT	1/4"
CFS38-38	3/8"NPT	3/8"
CFS12-18	1/2"NPT	1/8"
CFS12-316	1/2"NPT	3/16"
CFS12-14	1/2"NPT	1/4"
CFS12-516	1/2"NPT	5/16"
CFS12-38	1/2"NPT	3/8"
CFS12-12	1/2"NPT	1/2"



Brass (single ferrule)

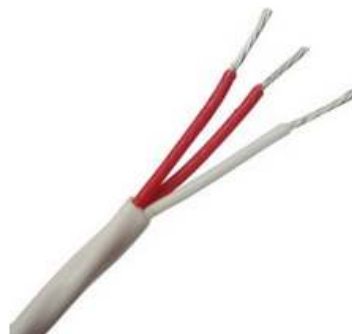
Part Number	NPT Thread Size	Probe Size (bore)
CFB18-18	1/8"NPT	1/8"
CFB18-316	1/8"NPT	3/16"
CFB18-14	1/8"NPT	1/4"
CFB14-18	1/4"NPT	1/8"
CFB14-316	1/4"NPT	3/16"
CFB14-14	1/4"NPT	1/4"
CFB12-18	1/2"NPT	1/8"
CFB12-316	1/2"NPT	3/16"
CFB12-14	1/2"NPT	1/4"



PTFE Ferrule (single ferrule)

Part Number	Probe Size (bore)
TF16	1/16"
TF18	1/8"
TF316	3/16"
TF14	1/4"
TF516	5/16"
TF38	3/8"
TF12	1/2"
Note: fits brass & SS	

Thermocouple & RTD wire



East Coast Sensors

Thermocouple Wire Type J & K Calibration



Type J

Part Number	Description	Wire Gauge (AWG)	Calibration
J24GG	Type J. 24 AWG. Solid. Fiberglass	24 AWG	Type J
J24-7-GG	Type J. 24 AWG. Stranded. Fiberglass	24 AWG	Type J
J20GG	Type J. 20 AWG. Solid. Fiberglass	20 AWG	Type J
J20-7-GG	Type J. 20 AWG. Stranded. Fiberglass	20 AWG	Type J
J24TT	Type J. 24 AWG. Solid. FEP Teflon	24 AWG	Type J
J24-7-TT	Type J. 24 AWG. Stranded. FEP Teflon	24 AWG	Type J
J20TT	Type J. 20 AWG. Solid. FEP Teflon	20 AWG	Type J
J20-7-TT	Type J. 20 AWG. Stranded. FEP Teflon	20 AWG	Type J
J24GGSS	Type J. 24 AWG. Solid. Fiberglass w/ Stainless steel braid	24 AWG	Type J
J24-7-GGSS	Type J. 24 AWG. Stranded. Fiberglass w/ Stainless steel braid	24 AWG	Type J
J20GGSS	Type J. 20 AWG. Solid. Fiberglass w/ Stainless steel braid	20 AWG	Type J
J20-7-GGSS	Type J. 20 AWG. Stranded. Fiberglass w/ Stainless steel braid	20 AWG	Type J
J24TTSS	Type J. 24 AWG. Solid. FEP Teflon w/ Stainless steel braid	24 AWG	Type J
J24-7-TTSS	Type J. 24 AWG. Stranded. FEP Teflon w/ Stainless steel braid	24 AWG	Type J
J20TTSS	Type J. 20 AWG. Solid. FEP Teflon w/ Stainless steel braid	20 AWG	Type J
J20-7-TTSS	Type J. 20 AWG. Stranded. FEP Teflon w/ Stainless steel braid	20 AWG	Type J
JX20PP	Type J. 20 AWG. Solid. PVC extension wire	20 AWG	Type J
JX20-7-PP	Type J. 20 AWG. Stranded. PVC extension wire	20 AWG	Type J

Type K

Part Number	Description	Wire Gauge (AWG)	Calibration
K24GG	Type K. 24 AWG. Solid. Fiberglass	24 AWG	Type K
K24-7-GG	Type K. 24 AWG. Stranded. Fiberglass	24 AWG	Type K
K20GG	Type K. 20 AWG. Solid. Fiberglass	20 AWG	Type K
K20-7-GG	Type K. 20 AWG. Stranded. Fiberglass	20 AWG	Type K
K24TT	Type K. 24 AWG. Solid. FEP Teflon	24 AWG	Type K
K24-7-TT	Type K. 24 AWG. Stranded. FEP Teflon	24 AWG	Type K
K20TT	Type K. 20 AWG. Solid. FEP Teflon	20 AWG	Type K
K20-7-TT	Type K. 20 AWG. Stranded. FEP Teflon	20 AWG	Type K
K24GGSS	Type K. 24 AWG. Solid. Fiberglass w/ Stainless steel braid	24 AWG	Type K
K24-7-GGSS	Type K. 24 AWG. Stranded. Fiberglass w/ Stainless steel braid	24 AWG	Type K
K20GGSS	Type K. 20 AWG. Solid. Fiberglass w/ Stainless steel braid	20 AWG	Type K
K20-7-GGSS	Type K. 20 AWG. Stranded. Fiberglass w/ Stainless steel braid	20 AWG	Type K
K24TTSS	Type K. 24 AWG. Solid. FEP Teflon w/ Stainless steel braid	24 AWG	Type K
K24-7-TTSS	Type K. 24 AWG. Stranded. FEP Teflon w/ Stainless steel braid	24 AWG	Type K
K20TTSS	Type K. 20 AWG. Solid. FEP Teflon w/ Stainless steel braid	20 AWG	Type K
K20-7-TTSS	Type K. 20 AWG. Stranded. FEP Teflon w/ Stainless steel braid	20 AWG	Type K
KX20PP	Type K. 20 AWG. Solid. PVC extension wire	20 AWG	Type K
KX20-7-PP	Type K. 20 AWG. Stranded. PVC extension wire	20 AWG	Type K



RTD Wire

3 & 4 conductor



Part Number	Description	Wire Gauge (AWG)	Calibration
RTD-24-F-3-SPC-GG-AAB	RTD. 24 AWG.3 Wire. Fiberglass insulation (Red, Red, White)	24 AWG	RTD (Silver plated)
RTD-24-F-3-GGSS-AAB	RTD. 24 AWG.3 Wire. Fiberglass insulation (Red, Red, White) w/stainless steel braid	24 AWG	RTD (Silver plated)
RTD-24-F-6-GGSS-AAAABB	RTD. 24 AWG.6 Wire. Fiberglass insulation w/ stainless steel braid (4 Reds, 2 Whites)	24 AWG	RTD (Silver plated)
RTD-24-F-3-TT-AAB	RTD. 24 AWG.3 Wire. FEP Teflon insulation (Red, Red, White)	24 AWG	RTD (Silver plated)
RTD-24-F-3-TTSS-AAB	RTD. 24 AWG.3 Wire. FEP Teflon insulation (Red, Red, White) w/stainless steel braid	24 AWG	RTD (Silver plated)
RTD-24-F-3-TT-ADB	RTD. 24 AWG.3 Wire. FEP Teflon insulation (Red, Black, White)	24 AWG	RTD (Silver plated)
RTD-24-F-3-TT-CEB	RTD. 24 AWG.3 Wire. FEP Teflon insulation (Blue, Orange, White)	24 AWG	RTD (Silver plated)
RTD-24-F-4-TT-AABB	RTD. 24 AWG.4 Wire. FEP Teflon insulation (2 Reds, 2 Whites)	24 AWG	RTD (Silver plated)
RTD-26-F-3-TT-AAB	RTD. 26 AWG.3 Wire. FEP Teflon insulation (Red, Red, White)	26 AWG	RTD (Silver plated)
RTD-28-F-3-TT-AAB	RTD. 28 AWG.3 Wire. FEP Teflon insulation (Red, Red, White)	28 AWG	RTD (Silver plated)

RTD Wire

General Information














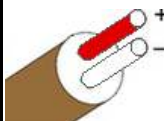


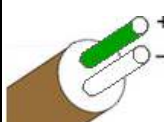
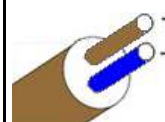
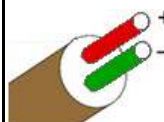


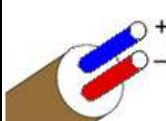





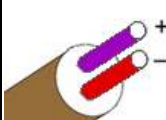

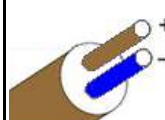

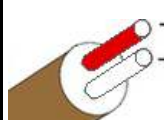

- RTD wire available in 24, 26, & 28 gauge
- Available with fiberglass & FEP Teflon insulation
- Both fiberglass & Teflon available with stainless steel braid
- All RTD wire is silver plated copper
- 3 & 4 conductors
- Standard color code is 2 Reds & 1 White

For other configurations consult factory

Thermocouple color codes

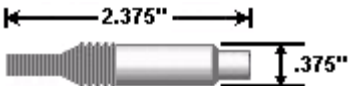


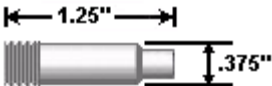
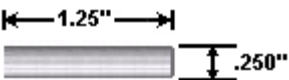
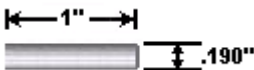
General Information

For color codes other than US & Canada, ECS applies color coded heat shrink over stripped portion of the lead. The internal conductors do not have the specific color codes









									
Thermocouple Type	US & Canada	International IEC 584-3	Czech British to BS 1843	Netherland German to DIN 43710	Japanese to JIS C 1610-1981	French to NFC 42-324			
J									
K									
T									
E									

ANSI Calibration letter	Conductor alloys	T/C
J	Iron Constantan	JP JN
K	Chromel Alumel	KP KN
T	Copper Constantan	TP TN
E	Chromel Constantan	EP EN

Transition fittings For MGO sensors

Transition Fitting	Description	Code
	3/8"OD X 1.25" w/ spring (standard)	1
	1/4"OD X 1.25" w/ spring	2
	3/16"OD X 1" w/ spring	3
	3/8"OD X 1.25" (no spring)	4
	1/4"OD X 1.25" (no spring)	5
	3/16"OD X 1" (no spring)	6

Thermocouple Junctions Single & Dual

Junction Type	Description	Code
	Grounded	G
	Ungrounded	U
	Exposed	E
	Exposed & Recessed	R
	Grounded (Dual)	W
	Ungrounded & Isolated	X
	Ungrounded (common)	Y
	Exposed & Isolated	Z

General Information Junction Types

Single Junctions

Grounded– The sheath & conductors are welded together, forming a junction

Ungrounded– The conductors are welded together and fully insulated from the welded sheath tip

Exposed– The conductors are welded together , forming a junction that is not protected by a welded sheath tip

Exposed and Recessed– The conductors are welded together, forming a junction that is protected by the sheath wall but is not protected by a welded sheath tip

Dual Junctions

Grounded– The sheath & all conductors are welded together, forming a junction



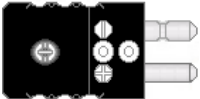








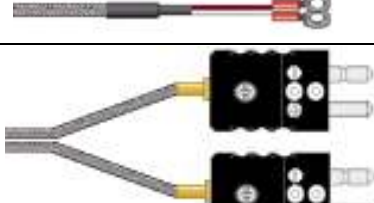
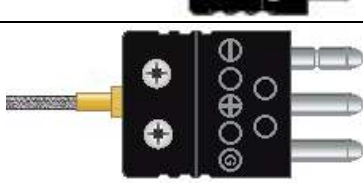

Ungrounded & Isolated– Each junction is welded together, separate from each other & fully insulated from the welded sheath tip

Ungrounded (common)- All the conductors are welded together and fully insulated from the welded sheath tip



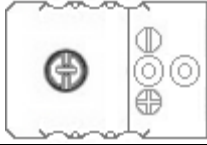


Exposed and Isolated– Each junction is welded together, separate from each other. The junction is not protected by a welded sheath tip





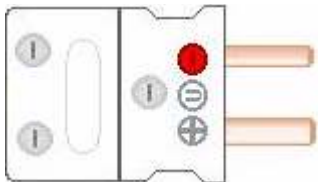
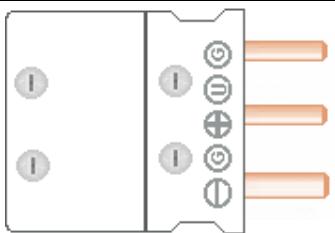
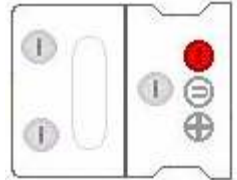
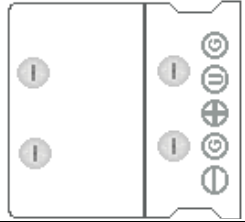

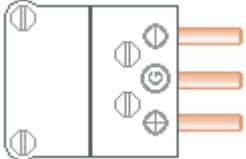




Thermocouple termination style

Termination	Description	Code
	2" stripped leads (bare ends)	A
	2 "stripped leads w/ spade lugs	B
	Standard male plug (400°F)	C
	High temp male Plug (660°F)	D
	Max temp male Plug (800°F)	E
	Ceramic male plug (1200°F)	F
	Solid pin plug (400°F)	G
	Standard female jack (400°F)	H
	Miniature plug (400°F)	J
	Miniature jack (400°F)	K
	2" stripped leads w/#6 Ring terminals	L
	2 Standard male plugs (dual junctions) (400°F)	M
	Standard 3 pin plug w/ ground wire (400°F)	N
	Dual molded male connector(4-pin) (400°F)	P

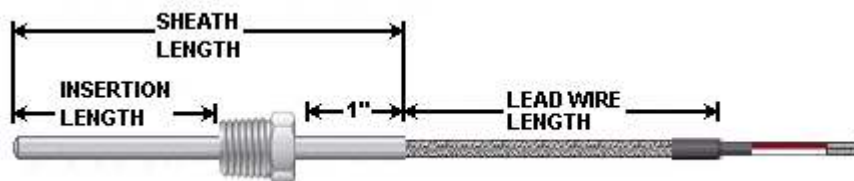
Thermocouple termination style

Termination	Description	Code
	High temp female jack (660°F)	R
	Max temp female jack (800°F)	S
	Ceramic female jack (1200°F)	T
	2" stripped leads w/wire ferrules (pin terminals)	W
	Extra long lead wire length (beyond 2" stripped leads)	X

RTD termination style


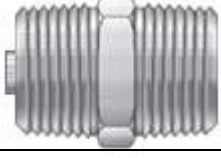
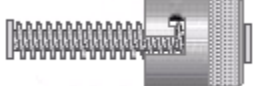




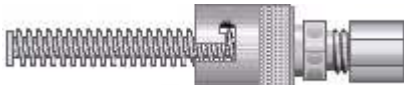
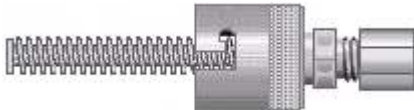



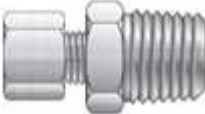
Termination	Description	Code
	2" stripped leads (bare ends)	A
	2 "stripped leads w/ spade lugs	B
	Standard male 2 pin plug (400°F)	C
	Standard male 3 pin plug (400°F)	D
	Standard female 2 pin jack (400°F)	F
	Standard female 3 pin jack (400°F)	G
	Miniature male 2 pin plug (400°F)	H
	Miniature male 3 pin plug (400°F)	I
	Miniature female 2 pin jack (400°F)	J
	Miniature female 3 pin jack (400°F)	K
	2" stripped leads w/wire ferrules (pin terminals)	W
	Extra long lead wire length (beyond 2" stripped)	X

Attached Fittings


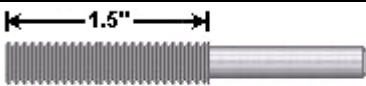




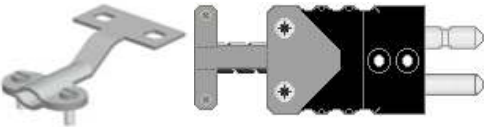




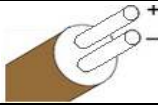
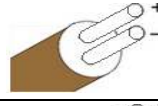
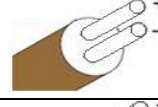
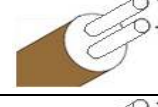
















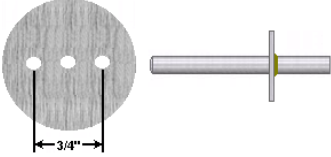


Attached fitting	Description	Code
	1/8"npt single thread hex fitting	F01
	1/4"npt single thread hex fitting	F02
	3/8"npt single thread hex fitting	F03
	1/2"npt single thread hex fitting	F04
	3/4" npt single thread hex fitting	F05
	1/2" npt double threaded hex fitting	F06
	1/2" npt double threaded hex fitting spring loaded	F07
	1/2" npt double threaded hex fitting spring loaded w/oil seal	F08

Attached Fittings

Attached fitting	Description	Code
	1/2"npt x 3/4"npt double threaded hex fitting	F09
	3/4"npt x 3/4"npt double threaded hex fitting	F10
	Fixed bayonet cap assembly	F11
	Single threaded brass compression fitting head mount (no process thread)	F12
	Single threaded stainless steel compression fitting head mount (no process thread)	F13
	1/2"npt x 1"npt double thread	F14
	1"npt single thread	F15
	Adjustable 7/16"ID bayonet cap fitting (1/8"OD & 3mm OD)	F16
	Adjustable 12.5mm ID double slot bayonet cap fitting (1/8"OD & 3mm OD)	F17
	1/8"npt compression fitting (Brass)	F18
	1/8"npt compression fitting (Stainless steel)	F19
	1/4"npt compression fitting (Brass)	F20
	1/4"npt compression fitting (Stainless steel)	F21

Special Features

Special Feature	Description	Code
	Solid conductor (lead wire)	01
	1.5" long strain relief spring	02
	1.5" long heat shrink where wire exits the probe	03
	Flat tip probe	04
	Drill point tip	05
	Epoxy seal	06
	Cable clamp	07
	BX Connector	08
	Mating Connector	09
	Armor cable adapter	10
	International IEC 584-3 color coded leads	11 (see PG. 62)
	British color coded leads	12 (see PG. 62)
	German color coded leads	13 (see PG. 62)
	Japanese color coded leads	14 (see PG. 62)
	Reverse polarity color coded leads	15 (see PG. 62)
	French color coded leads	16 (see PG. 62)
	4/20 Milliamp Transmitter (Basic)	17
	Moisture protection boot on connector	18

Special Feature	Description	Code
	High temp ceramic potting (1200F°)	19
	Teflon coated armor cable	21
	HART– compatible 4/20 MA transmitter	22
	304SS tag with part # engraved	23
	Teflon covered probe	24
	Free spinning fitting (held on probe by crimp ring)	25
	Connector mounted with tube adapter	26
	3/8" OD transition fitting & spring on tube & wire sensor	27
	90° bend (Mineral insulated probe)	28
	Tight 90 degree bend (block bender)	29
	45° bend (Mineral insulated probe)	30
	1" circular mounting flange (MGO)	31
	1/4-28 bolt w/ 5/16" hex (small hex)	32
	1/4-28 bolt w/ 7/8" long thread (regular hex)	33