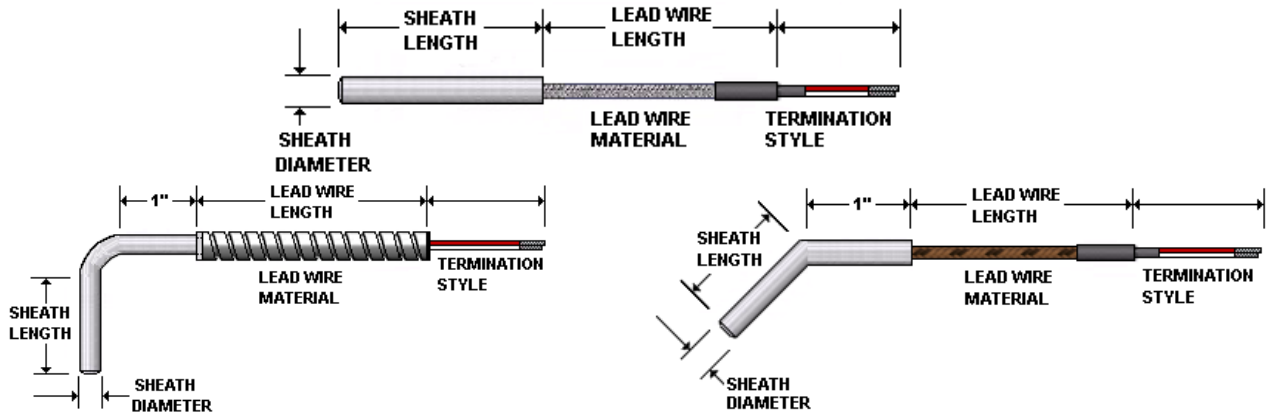


Style TB2 Probe Style Thermocouple



Ordering Information Part Number

① TB2	② Calibration	③ Sheath Diameter	④ Sheath Configuration	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)
Y	Ungrounded Common (Dual)

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 plug (400°F)
W	2" stripped leads w/ pin terminals
Q	2" stripped leads w/ wire ferrules
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	
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	Fluoropolymer (400°F)
C	Polyimide (500°F)
E	High temperature fiberglass (1200°F)
F	Fiberglass with stainless steel braid (800°F) (standard)
G	Fluoropolymer with stainless steel braid (400°F)
H	Fiberglass with armor cable (800°F)
J	Fluoropolymer with armor cable (400°F)
K	Polyimide with armor cable (500°F)
L	High temperature fiberglass with armor cable (1200°F)
M	Fiberglass/ Stainless steel braid with armor cable (800°F)
W	Fluoropolymer with stainless steel braid with armor cable (400°F)
Y	Fluoropolymer with stainless steel braid w/Fluoropolymer outer jacket (400°F)
Note	Wire gauge based on sheath diameter

Optional

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

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

⑤ Sheath Length (whole in.)	
1/4"-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"

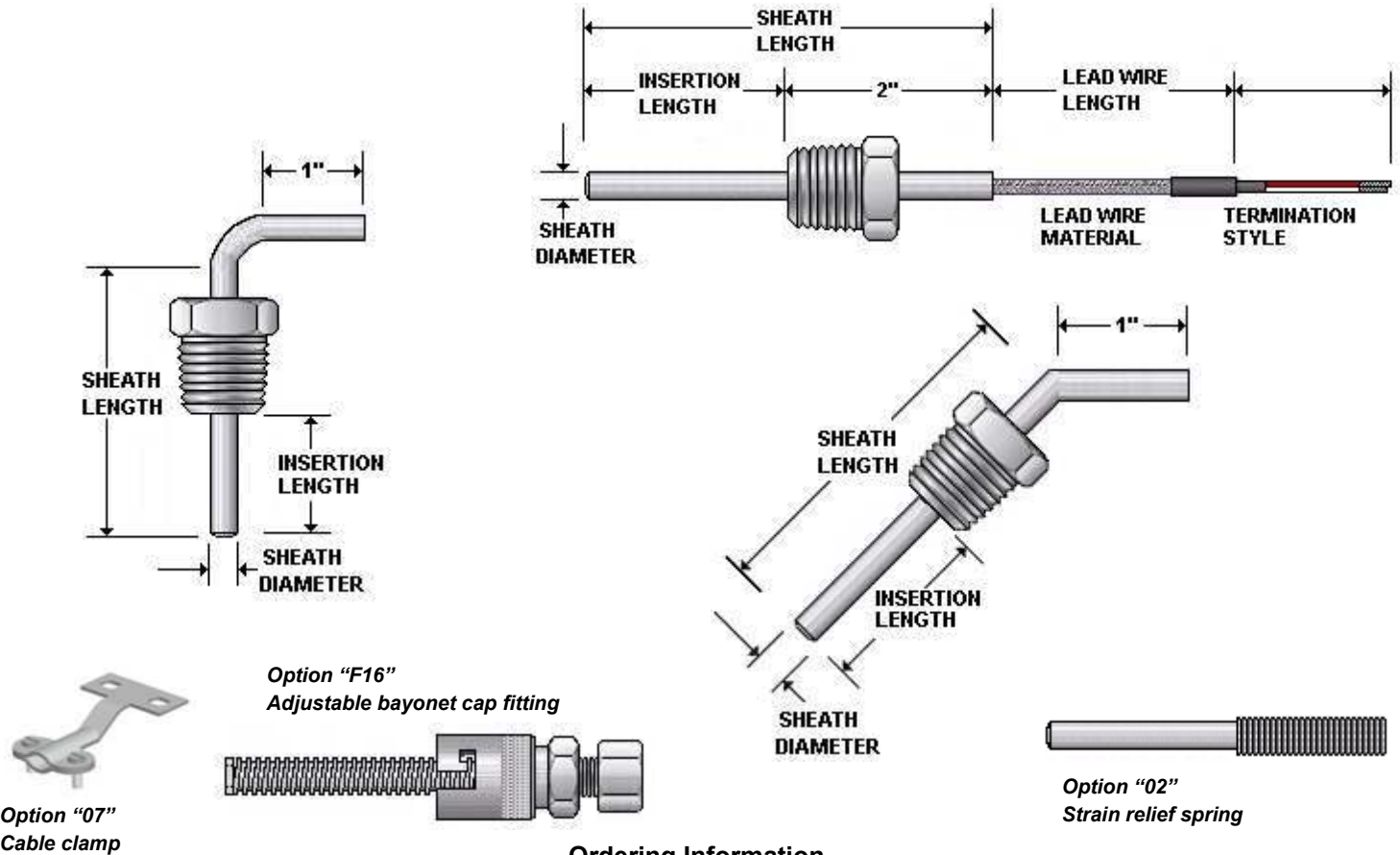
⑨ Lead wire length (in.)	
006"-600"	Specify in Inches
Note	Over 600" contact factory

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

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

SOUTHWEST HEATER AND CONTROLS

Attached fittings & special features



Ordering Information Part Number

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

Continue part number from previous page

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
18	Moisture protection boot on connector
21	Fluoropolymer coated armor cable
24	Fluoropolymer covered probe
25	Free spinning fitting (held on probe by a crimp ring)
27	Transition fitting on tube & wire sensor
29	Silver soldered thermocouple junction

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)
F26	1/4"npt double thread
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"

SOUTHWEST HEATER AND CONTROLS

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