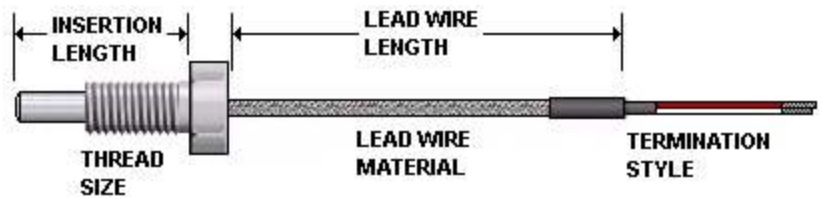


# East Coast Sensors

## Threaded bolt thermocouple Style TF1



### Ordering Information Part Number

① TF1	② Calibration	③ Thread Size	④ Insertion 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)
W 2" stripped leads w/ pin terminals
Q 2" stripped leads w/ wire ferrules
X Extra long lead wire length (beyond 2" stripped leads) (specify extra long lead wire length below)
006"-240" 006"-240" Specify in Inches

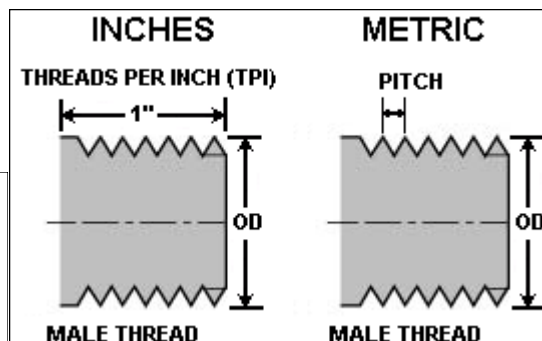
③ Thread size
A 1/4-28 (standard)
B 1/4-20
C 10-32 (Grounded only)
D 8-32 (Grounded only)
E M5 X 0.8 pitch
F M6 x 1 pitch
G M8 x 1 pitch
H M8 x 1.25 pitch
J M10 x 1 pitch
K M10 x 1.25 pitch
P M10 x 1.5 pitch
R M12 x 1.25 pitch
S M12 x 1.5 pitch
W M12 x 1.75 pitch
X 1/2-20

⑥ 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 with stainless steel braid with armor cable (800°F)
W Fluoropolymer with stainless steel braid with armor cable (400°F)
Note Wire gauge based on sheath diameter

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

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
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
29 Silver soldered thermocouple junction
32 1/4-28 bolt w/ 5/16" hex (small hex)
33 1/4-28 bolt w/ 7/8" long thread (7/16" hex)
35 Spring loaded bolt

④ Insertion Length (in.)
T 3/8"
W 1/2" (standard)
X 5/8"
Y 3/4"
P 7/8"
Z 1"
Q 1-1/8"



**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

