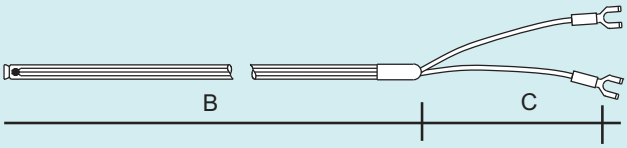
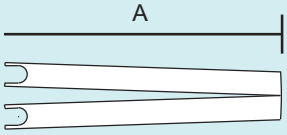
Special Application Thermocouples and RTD's

Special Application Thermocouples and RTD's cover a wide variety of types and configurations. This section covers FEP covered thermocouples and RTD's in rigid and flexible types, ring type thermocouples and RTD's for surface measurement, web type thermcouples for surface measurement of moving objects such as rollers, and penetration thermocouples and RTD's with sharp tips for measurement of viscous liquids and semisolids such as tar and heavy oil, and other material such as frozen food and meat.

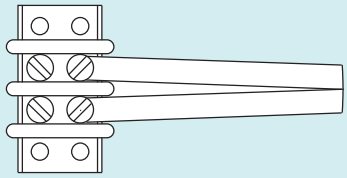
Flexible FEP Covered Bead Junction



Web Type Surface Thermocouples

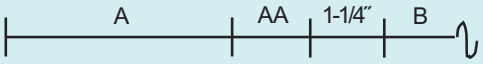


Web Type Surface Thermocouple Replacement Element

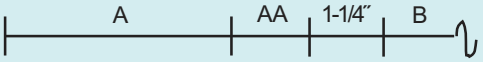


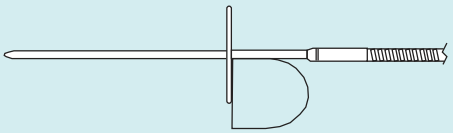
Web Type Surface Thermocouple Assembly

Penetration Type Thermocouples and RTD's



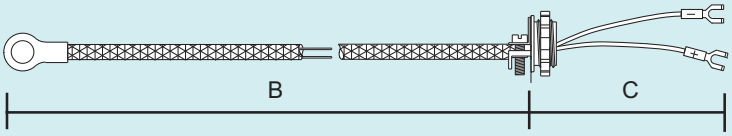
Standard Style with Transition Fitting





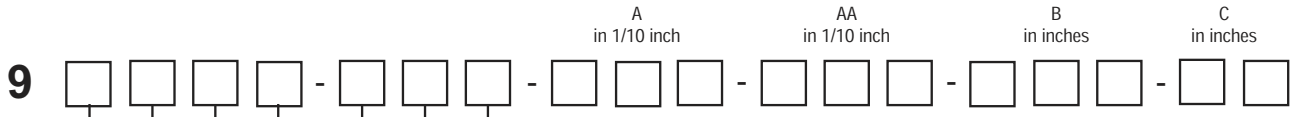
"D" Handle Style

Ring Type Surface Thermocouples and RTD's



Model Coding

Fill in the appropriate numbers or letters to specify the probe of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.



SENSOR TYPE
J (T/C)
K (T/C)
E (T/C)
T (T/C)
6 (RTD DIN)
4 (RTD NIST)
Z (RTD DIN 1K)

HARDWARE TYPE
5 - FEP Covered Bead Junction
6 - Ring #10 (0.187 od)
7 - Ring #8 (0.156 od)
8 - Ring 13/32″
9 - Web
A - Penetration Probe
B - Penetration Probe with ″D″ Handle

EXTENSION TYPE
0 - No extension
1 - Fiberglass Insulation
3 - Stainless Steel Overbraid
4 - FEP Insulation
5 - Stainless Steel Flex Hose
6 - FEP over SS Flex Hose

SENSOR TERMINALS
0 - None
1 - Lugs
2 - Lugs with BX
3 - Standard Plug
4 - Standard Jack
5 - Open Terminals
6 - Mini Plug
7 - Mini Jack
9 - Fastabs
A - Fastabs with BX

ELEMENTS
1 - Single
2 - Dual

JUNCTION TYPE
1 - Grounded
2 - Ungrounded
3 - Exposed

SENSOR O.D.
0 - N/A
2 - 1/8″
3 - 3/16″
4 - 1/4″

Temperature