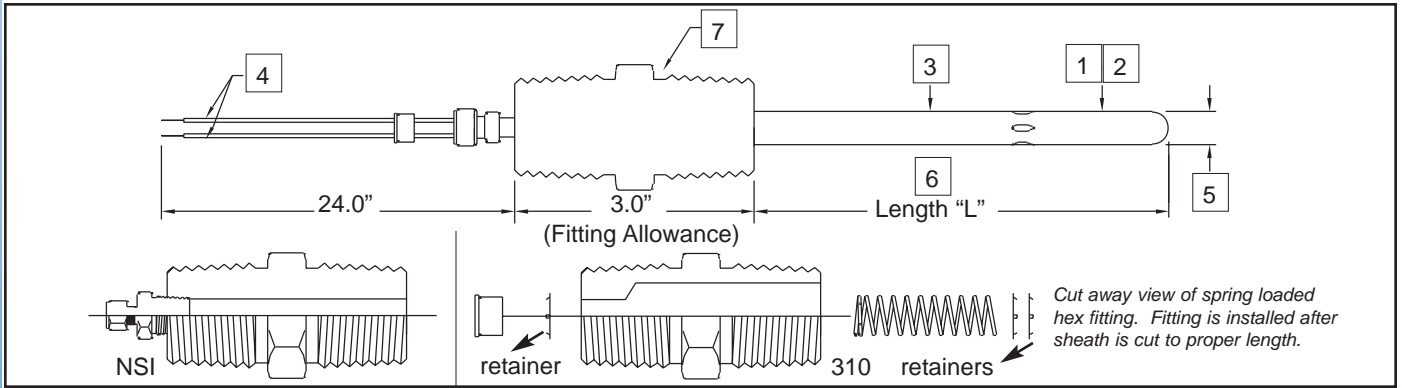


# Model 110 Field-Cuttable Thermocouple

Stocking “cuttables” can reduce inventory and down time as the 110 can be easily cut to the required length in the field and a fitting can be installed in a matter of minutes.



**Model 110** is designed to be used with optional connection or spring-loaded fittings.



### Specifications:

|   |   |
|---|---|
| 1. Base Model:  | Base Model/Series Number.   |
| 2. A. Accuracy:<br>B. Type:<br>C. Response Time:<br>D. Tip Sensitivity: | ANSI Special Limits of Error is standard. See Thermocouple General Specifications.<br>Application dependent. See Thermocouple General Specifications.<br>Dependent on sheath diameter and measuring junction. See Thermocouple General Specifications.<br>Thermocouples are inherently tip sensitive. |
| 3. Grounded:<br>Ungrounded:   | At the tip, thermocouple wires are attached to inside of probe wall, resulting in quick response time.<br>At the tip, thermocouple wires are insulated from the inside of probe wall, results are a slower response time but increased isolation.   |
| 4. Construction:  | Code A - 316SS tube construction, teflon insulated lead wire.<br>Code F - 316SS tube construction, fiberglass insulated lead wire.  |
| 5. Lead Wires:  | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Single</p> </div> <div style="text-align: center;"> <p>Dual</p> </div> </div>   |
| 6. Sheath Diameter:   | .250" (1/4") is industry standard.  |
| 7. Sheath Length:   | Entire cuttable length plus 3.0" fitting allowance.   |
| 8. Optional Fittings:   | Sensor is not supplied with mounting hardware, specify optional fitting.  |
| 9. Tube Cutter:   | Optional tube cutter.   |

| Model | Description                 |  |
|-------|-----------------------------|--|
| 110   | Field Cuttable Thermocouple |  |
| 1     | Code                        | R <sub>0</sub> & Temperature Coefficient   |
|       | J                           | Type J Thermocouple 32 to 1400°F ( 0 to 760°C)   |
|       | K                           | Type K Thermocouple -328 to 2300°F (-200 to 1260°C)  |
|       | T                           | Type T Thermocouple -328 to 700°F (-200 to 371°C)  |
|       | E                           | Type E Thermocouple -328 to 1600°F (-200 to 871°C)   |
|       | R                           | Type R Thermocouple 32 to 2700°F ( 0 to 1482°C)  |
|       | S                           | Type S Thermocouple 32 to 2700°F ( 0 to 1482°C)  |
|       | B                           | Type B Thermocouple 32 to 3100°F ( 0 to 1704°C)  |
|       | N                           | Type N Thermocouple -454 to 2372°F (-270 to 1300°C)<br>Add "MT" for matched to transmitter. See Thermocouple General Specifications. |

|   |      |               |
|---|------|---------------|
| 2 | Code | Junction Type |
|   | G    | Grounded      |
|   | U    | Ungrounded    |

|   |      |                                |
|---|------|--------------------------------|
| 3 | Code | Construction Temperature Limit |
|   | A    | 500° F Maximum                 |
|   | F    | 900° F Maximum                 |

|   |      |                            |
|---|------|----------------------------|
| 4 | Code | Number of Lead Wires       |
|   | 2    | 2-Wire Single Thermocouple |
|   | 4    | 4-Wire Dual Thermocouple   |

|   |      |                 |
|---|------|-----------------|
| 5 | Code | Sheath Diameter |
|   | C    | .250" Diameter  |

|   |       |                   |
|---|-------|-------------------|
| 6 | Code  | Sheath Length     |
|   | 24    | 24" (27" Overall) |
|   | 48    | 48" (51" Overall) |
|   | Other | Consult Factory   |

|   |              |  |
|---|--------------|--|
| 7 | Code         | Optional Compression Fittings  |
|   | C1S          | Compression: 1/4" Sheath x 1/8" NPT SS   |
|   | C2S          | 1/4" Sheath x 1/4" NPT SS  |
|   | C3S          | 1/4" Sheath x 1/2" NPT SS  |
|   | NS1          | 1/4" Sheath x 1/2" NPT Hex Nipple  |
|   | FS5          | Spring Loaded: 1/4" Sheath 1/2" X 1/2" Hex Fitting<br>wt adjustable fluid seal |
|   | 310<br>Other | 1/2" X 1/2" Hex Fitting Kit<br>Consult Factory                                 |

|   |      |             |
|---|------|-------------|
| 8 | Code | Option      |
|   | TC1  | Tube Cutter |

|   |  |
|---|--|
| 9 |  |
|---|--|

|     |   |   |   |   |   |   |   |   |   |   |   |    |   |     |   |
|-----|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|---|
| 110 | - | J | - | G | - | A | - | 2 | - | C | - | 24 | - | NSI | - |
| -   | - | - | - | - | - | - | - | - | - | - | - | -  | - | -   | - |

Sample Model Number

Your Model Number

