

# Miniature Thermocouple Assemblies



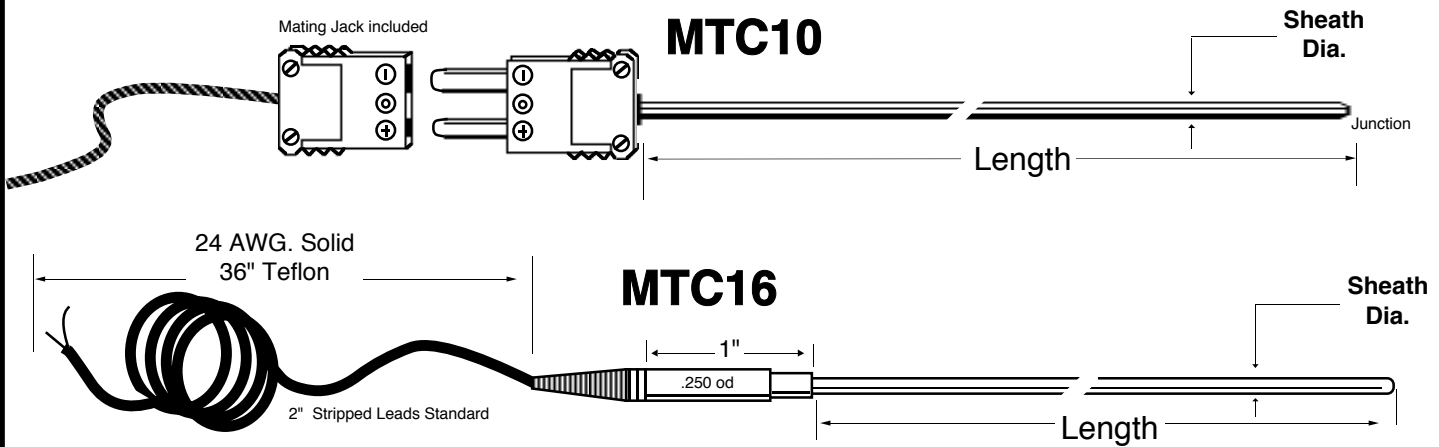
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**EveryDegreeMatters@tiptemp.com**

**Temperature Tools™**  
**1-800-TIP-TEMP**

- Sub-miniature plug with mating jack
- NIST Certificate Of Calibration Available. See page 13
- 316 SS & Inconel, Bendable Sheath.
- Dual Thermocouple Available. See Option 2
- Premium Thermocouple Available. See Option 1
- Quantity Discounts Available. See Page 2.
- Blanket Orders will result in lower pricing.

## HOW TO ORDER

Select **OUTLINED** Text To Create Part Number



Style	Calibration	Sheath Material	Sheath Dia.	Junction	Length	Leads / Termination
<b>MTC10</b> Plug & Jack Style Shown above	+ Iron - Constantan <b>J</b> Black 32 to 1400°F 0 to 760°C	<b>SS</b> <b>316 Stainless Steel</b> Most Common Max Temp. 1700°F / 926°C Recommended for general purpose chemical applications. Food Applications!	<b>010</b> 0.010"	<b>G</b> ROUNDED (Most Common) The element is welded directly to the tip of the sheath. This provides better protection against corrosive and mechanical damage than does the exposed junction. The response time is relatively fast.	<b>Specify</b>	(MTC16 applicable) <b>Wire Insulation:</b> TT - Teflon GG - Fiberglass SSOB - Stainless Steel Overbraid  <b>Wire Gauge:</b> 24 - 24 awg 36 - 36 awg  <b>Wire Length:</b> By the inch * 36" by default  <b>Termination:</b> MM - Mini Plug * Leave blank for Stripped Leads  Separate each option by a "-"
<b>MTC11</b> W/O Mating Jack	+ Copper - Constantan <b>T</b> Blue -320 to 700°F -195 to 370°C		<b>020</b> 0.020"	<b>E</b> XPOSED Bare thermocouple wires are butt-welded and insulation is sealed. Exposed tip provides fastest possible response time, but leaves element without protection against corrosive or mechanical damage.	<b>Length</b>	
<b>MTC16</b> Transition Style Shown above	+Chromel - Constantan <b>E</b> Purple 32 to 1600°F 0 to 900°C	<b>IN</b> <b>INCONEL 600</b> Max Temp. 2100°F / 1150°C Recommended for gas furnaces, lead baths, and bath mixture containing cyanide. Do not use in salt baths contaminated by sulphur	<b>032</b> 0.032"	<b>U</b> NGROUNDED The welded junction is imbedded in the insulation away from the welded end. This provides protection from electrical interference as well as corrosive and mechanical damage. Response time is slow.	<b>in</b>	
<b>SEE OPTION 1</b>	<b>SEE OPTION 2</b>	<b>SEE OPTION 3</b>	<b>SEE OPTION 4</b>		<b>inches</b>	
			<b>040</b> 0.040"			
			<b>116</b> 1/16" or .062			
			<b>18</b> 1/8" or .125			

Sample Part Number: MTC10 - K - SS - 116 - U - 12

- ### Additional Options
1. Premium T/C increases sensor accuracy. Use Prefix "P"
  2. Duplex thermocouple insert double calibration letters. Example KK
  3. Special Sheath Material is available.
  4. Special Sheath Diameters available, call for availability.
  5. Teflon coated Thermocouple, use suffix **TEFLON**

**Notes:**