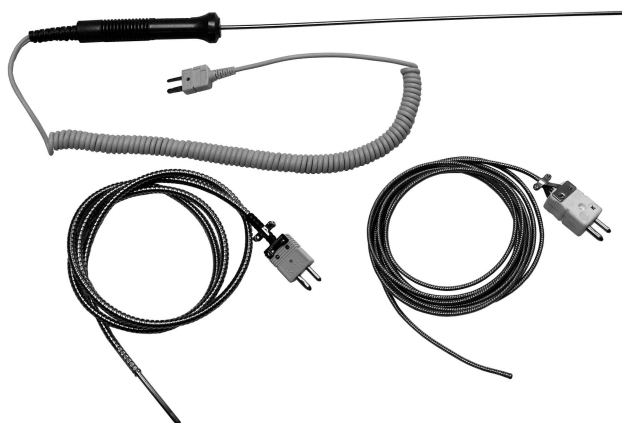


## MODELS TMPC, TMPU, & TMPB THERMOCOUPLES



### MODEL TMPC - HIGH TEMPERATURE THERMOCOUPLE

#### GENERAL DESCRIPTION

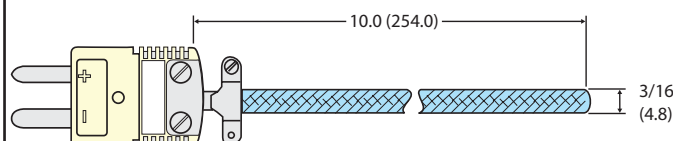
The model TMPC thermocouple is double-protected with abrasion resistant Inconel overbraid with high temperature ceramic fiber insulation. A temperature rating of up to 980° C (1800° F) continuous service and 1090° C (2000° F) short-term service makes these probes ideal for many high temperature measurement applications. Ideal applications include profiling ovens and furnaces.

- *Flexible and Abrasion Resistant*
- *Smooth, rounded tip on "hot" side*
- *Male high temperature standard size ceramic connector on "cold" side*

#### SPECIFICATIONS

1. **WIRE GAGE:** 20 AWG, standard limits of error
2. **INSULATION:** Nextel® ceramic fiber
3. **TEMPERATURE:** 980° C (1800° F) continuous  
1090° C (2000° F) short-term service depending on TC type
4. **TERMINATION:** High temperature 650° C (1200° F) ceramic standard size style connector
5. **TERMINATION:** Grounded TC junction with Inconel overbraid welded to form a smooth, round tip

#### DIMENSIONS In inches (mm)



#### ORDERING INFORMATION

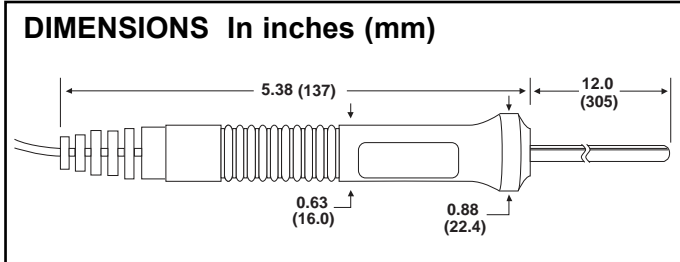
MODEL NO.	DESCRIPTION	TC ANSI TYPE	"HOT" SIDE TERMINATION	"COLD" SIDE TERMINATION	LENGTH (FT)	TC JUNCTION	PART NUMBER
TMPC	CERAMIC OVERBRAIDED TC	K	OVERBRAIDED GROUNDED WELDED TIP	CERAMIC STD SIZE CONN	10	GROUNDED	TMPKCF01

## MODEL TMPU - UTILITY THERMOCOUPLES

### GENERAL DESCRIPTION

Utility thermocouple probes are basic products for temperature measurement. They are typically connected to a hand held thermometer. The unit features a rugged handle that is permanently molded to a probe sheath. A retractable cable is connected with strain relief to the handle end, and termination is provided by a miniature male connector.

- *RETRACTABLE CABLE WITH SUPERIOR MEMORY*
- *SUBMINIATURE CONNECTOR FOR USE WITH HAND HELD THERMOMETERS*
- *MOLDED HANDLE RATED TO 220° C (425° F)*
- *MEETS OR EXCEEDS SLE AND EN 60584-2: TOLERANCE CLASS 1*



### SPECIFICATIONS

1. **HANDLE TEMPERATURE RATING:** 220° C (425° F)
2. **THERMOCOUPLE JUNCTION:** Grounded
3. **CABLE LENGTH:** 1 foot expands to 5 feet
4. **PROBE LENGTH:** 12 inches

### ORDERING INFORMATION

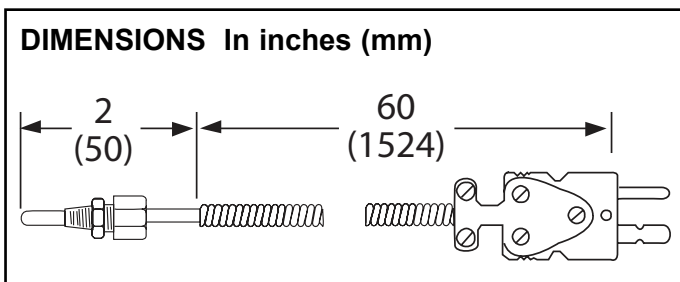
MODEL NUMBER	DESCRIPTION	TC ANSI TYPE	SHEATH MATERIAL	SHEATH DIAMETER	CABLE LENGTH	TC JUNCTION	PART NUMBER
TMPU	TC HANDLE PROBE	K	304 SS	.125	1' EXPANDS TO 5'	GROUNDING	TMPKUT01
	TC HANDLE PROBE	K	INCONEL 600	.125	1' EXPANDS TO 5'	GROUNDING	TMPKUT02

## MODEL TMPB - SPRING LOADED COMPRESSION FITTING THERMOCOUPLES

### GENERAL DESCRIPTION

The spring-loaded compression fitting thermocouple is ideally suited for measuring plastic processing machinery temperatures at the crosshead, die or barrel. It has a 5 foot stainless steel cable, with a 3/16" sheath diameter and a brass compression fitting with 1/8" NPT.

- *IDEAL FOR EXTRUDERS/MOLDING AND PACKAGING MACHINES*
- *COLD END TERMINATION IS HIGH TEMPERATURE NICKEL ZINC FERRITE CORE STANDARD MALE CONNECTOR*
- *STANDARD MALE CONNECTOR IS DESIGNED FOR SUPPRESSION OF ELECTROMAGNETIC INTERFERENCE*



### SPECIFICATIONS

1. **THERMOCOUPLE JUNCTION:** Grounded
2. **CABLE LENGTH:** 5 feet
3. **CONNECTOR SPECIFICATIONS:** Extra heavy duty solid male pin male connector  
Case Material: High temperature liquid crystal polymer (LCP)  
Temperature ratings:  
    Ferrite core effectiveness: 120° C (248° F)  
    LCP Material: 260° C (500° F)  
Impedance: (±20%): 35 ohms @ 25 MHz  
              70 ohms @ 100 MHz

### ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION	TC ANSI TYPE	SHEATH MATERIAL	SHEATH DIAMETER	CABLE LENGTH	TC JUNCTION	TERMINATION (COLD SIDE)	PART NUMBER
TMPB	COMPRESSION TC ASSEMBLY	K	SS CABLE	.188	5'	GROUNDING	STD Male Connector	TMPKBT01