

A Leading Manufacturer of Quality Thermocouple and RTD Assemblies Since 1972

## Industrial Thermocouples

Thermo Sensors Industrial thermocouples are widely used in process industry applications. Thermocouples are generally selected by determining the particular conditions under which it must perform. These conditions which have recommended wire and material selections and are grouped in types.



Thermo Sensors thermocouple element types include:

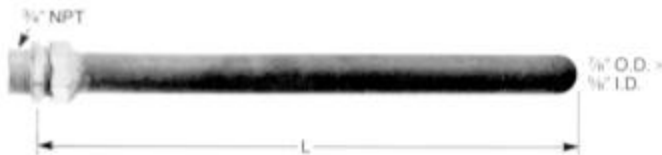
- Type E Chromel-Constantan Thermocouple
- Type J Iron-Constantan Thermocouple
- Type K Chromel-Alumel Thermocouple
- Type N Nicrosil-Nisil Thermocouple
- Type R Platinum-Platinum 13% Rhodium Thermocouple
- Type S Platinum-Platinum 10% Rhodium Thermocouple
- Type B Platinum 6% Rhodium-Platinum 30% Rhodium Thermocouple
- Type T Copper- Constantan Thermocouple

The wire gauge and recommended temperature ranges are of various sizes as well.

Please refer to our order guide to assist in determining your needs. We can also provide technical design assistance and application suggestions. Give us a call.

### \*Metal-Ceramic Protecting Tube with Fitting

#### Single Thread Tube



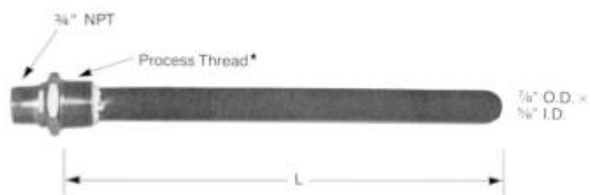
Also available without 3/4" Instrument Thread

Part Number
MCT580F-(L)

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Without Instrument Thread (not shown) MCT580-(L)
Specify "L" in Inches

**Double Thread Tube**



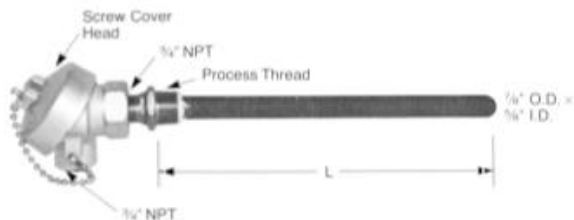
Process Thread	Ritting Material	Part Number
1" NPT (Standard)	C.S.	MCT581H-(L)
	ST.ST.	MCT581HSS-(L)
1 1/4" NPT	C.S.	MCT581K-(L)
	ST.ST.	MCT581KSS-(L)
1 1/2" NPT	C.S.	MCT581M-(L)
	ST.ST.	MCT581MSS-(L)
2" NPT	C.S.	MCT581P-(L)
	ST.ST.	MCT581PSS-(L)

**How to Order:**

Select Desired Part Number and Specify "L" in Inches

**Example:** MCT581H-18

**\*Metal-Ceramic Protecting Tube Assembly**



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ANSI Calibration	Element Gauge	Ordering Code			Process Thread
		Type	Head	"L"	
Iron/Constantan Type J	8 AWG	J8MCT	Specify Head from Table Below	Specify in Inches	Specify "Order Code" from Table Below
	14 AWG	J14MCT			
Chromel/Alumel Type K	8 AWG	K8MCT			
	14 AWG	K14MCT			

Terminal Head Options		
Head	Terminal Block	Specify
Cast Iron Screw Cover	Single Dual	A AD
Cast Aluminum Screw Cover	Single Dual	B BD

Process Thread Options		
Thread	Order Code	
	Carbon Steel	Stainless Steel
1" NPT	H	HSS
1 1/4" NPT	K	KSS
1 1/2" NPT	M	MSS
2" NPT	P	PSS

### How to Order:

1. Select the type and gauge of thermocouple desired from the first three columns of the table. Specify by "Type" under ordering code.
2. Select a head from the "Terminal Head Options" table and place its code letter next.
3. Specify "L" in inches and place after head code.
4. Specify option from "Process Thread Options" table.

#### For Example:

K8MCT - B - 24 - HSS

Type Head "L" Option