

## Adjustable Threaded

**MIEPL** make MTT04 Thermocouples are the most common, convenient, and versatile devices used to measure temperature. They convert units of heat into useable engineering units that serve as input signals for process controllers and recorders. A thermocouple consists of a welded 'hot' junction between two dissimilar metals, usually wires and a reference junction at opposite ends of the parent materials. These types of Thermocouples have adjustable Threaded connector to adjust the insertion length. These Thermocouples are used in every process industries, Power, Chemical, steel and Oil Industries.



### FEATURES

- Adjustable extension
- Mineral insulated
- Transmitter mountable
- Exchangeable insert
- Spring loaded design

### APPLICATION

- Chemical & petrochemical
- Oil & gas application
- Water, waste-water treatment
- Power & Utilities

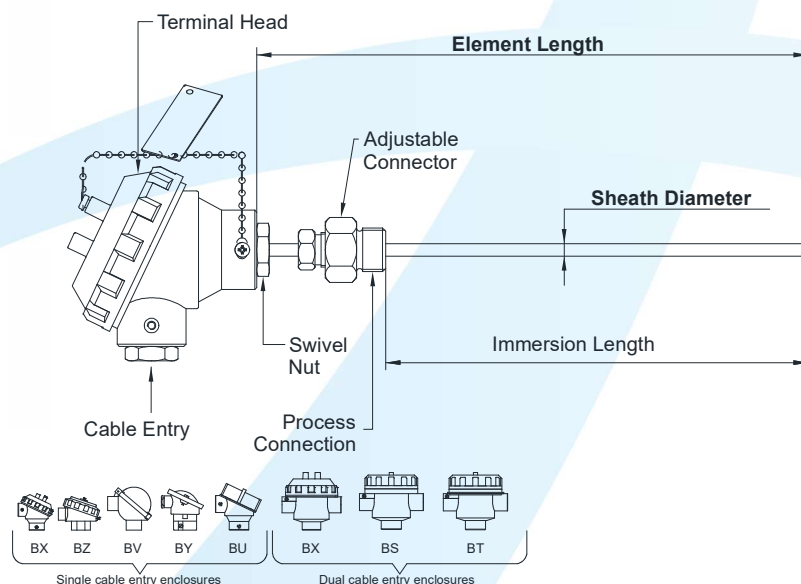
### REFERENCE

- IEC-584.2 / ANSI MC-96.1

### STANDARD SPECIFICATIONS

<b>Element</b>	: Type K (NiCr-NiAl)
<b>Accuracy</b>	: Standard to ISA & ANSI MC96.1
<b>No. of sensors</b>	: Simplex
<b>Hot junction</b>	: Ungrounded
<b>Sheath material</b>	: AISI 316 SS
<b>Sheath diameter</b>	: 6.0 mm
<b>Terminal head type</b>	: Threaded, weatherproof, IP-65
<b>Terminal head material</b>	: Die-cast aluminum
<b>Cable entry</b>	: ,1/2"BSP, 1 No.
<b>Head extension</b>	: Adjustable threaded connection
<b>Head extension length</b>	: AISI 304 SS
<b>Immersion length</b>	: 150 mm
<b>Process connection</b>	: 1/2" NPT (M) / 1/2" BSP (M)

### DRAWING



## ORDERING CODE

MTT04 - k - P - V - U - MF - M60 - BZ

1. ELEMENT	Type K (NiCr-NiAl)	K					
	Type J (Fe-CuNi)	J					
	Type N (NiCrSi-NiSiMg)	N					
	Type E (NiCr-CuNi)	E					
	Type T (Cu-CuNi)	T					
	Type R (Pt-13%Rh-Pt)	R					
	Type S (Pt-10%Rh-Pt)	S					
	Type B (Pt/30%Rh-Pt/6%Rh)	B					
2. ACCURACY	Standard	P					
	Special	Q					
3. NO. OF SENSORS	Simplex	V					
	Duplex	W					
	Triplex	X					
4. HOT JUNCTION	Ungrounded		U				
	Grounded			G			
5. SHEATH MATERIAL	AISI 316 SS				MF		
	AISI 310 SS				ME		
	AISI 316L SS				MG		
	Inconel 600				MQ		
6. SHEATH DIAMETER	3.0 mm					M30	
	5.0 mm					M50	
	6.0 mm					M60	
	8.0 mm					M80	
7. HEAD ENCLOSURE	WP, IP 65, threaded cover						BZ
	WP, IP 67, threaded cover						BX
	Flame proof, IP 67, Gr IIA, IIB						BS
	Explosion proof, IP 67, Gr IIC						BT
	WP, IP 65, Hinged type						BV
	WP, IP 65, cover fitted with 2 screws						BY
	Ex-Proof to CSA,FM,ATEX [Ex-d]						BU

## ORDERING CODE

			ML	CO	MC	4NM
8. ENCLOSURE MATERIAL	Die-cast aluminum		ML			
	AISI 304 SS			MC		
	AISI 316 SS			MF		
9. CABLE ENTRY	¾" ET (F), 1 No.			C0		
	½" NPT (F), 1 No.			C1		
	M20 x 1.5mm (F), 1 No.			C2		
	¾" NPT (F), 1 No.			C3		
	¾" ET (F), 2 Nos.			C5		
	½" NPT (F), 2 Nos.			C6		
	M20 x 1.5mm (F), 2 Nos.			C8		
	¾" NPT (F), 2 Nos.			C9		
10. HEAD EXTENSION MATERIAL	AISI 304 SS				MC	
	AISI 316 SS				MF	
11. IMMERSION LENGTH (IL)	50 mm up to 10,000 mm				XXXXX	
12. PROCESS CONNECTION	½" NPT (M)					4NM
	¾" NPT (M)					5NM
	M20 X 1.5 mm (M)					4MM
	½" BSP (M)					4BM
	¾" BSP (M)					5BM
13. OTHER OPTIONS	DC, cable gland, Ni-brass WP	JE	Plug fitting for CE, AISI 304 SS			JB
	DC, cable gland, AISI 304 SS WP	JG	Plug fitting for CE, AISI 316 SS			JC
	DC, cable gland, AISI 316 SS WP	JI	SS base plate for transmitter			JS
	DC, cable gland, Ni-brass FP	JK	Calibration Certificate			SB
	DC, cable gland, AISI 304 SS FP	JM	Tag plate, AISI 304 SS			WF
	DC, cable gland, AISI 316 SS FP	JO	Head mount transmitter			
	SC, cable gland, Ni-brass WP	JD	• FR Block			FB
	SC, cable gland, AISI 304 SS WP	JF	• Atx Block			AB
	SC, cable gland, AISI 316 SS WP	JH	• Hart Block			HB
	Plug fitting for CE, Aluminium	JU				
None & Select the same in ordering example						xxx

## Ordering Example MTT04 - K - P - V - U - MF - M60 - BZ - ML - C0 - MC - 4NM

1. Other sheath diameters, connections are available, please contact factory for details..
2. WP = Weatherproof, FP = Flame proof, SC = Single Compression, DC = Double Compression, CE = Cable Entry
3. Transmitter output shall be 4...20 mA as standard, any other output required, please contact factory for details.
4. NUN assembly in ASTM A105 is provided with Cd plating.