

Adjustable Threaded

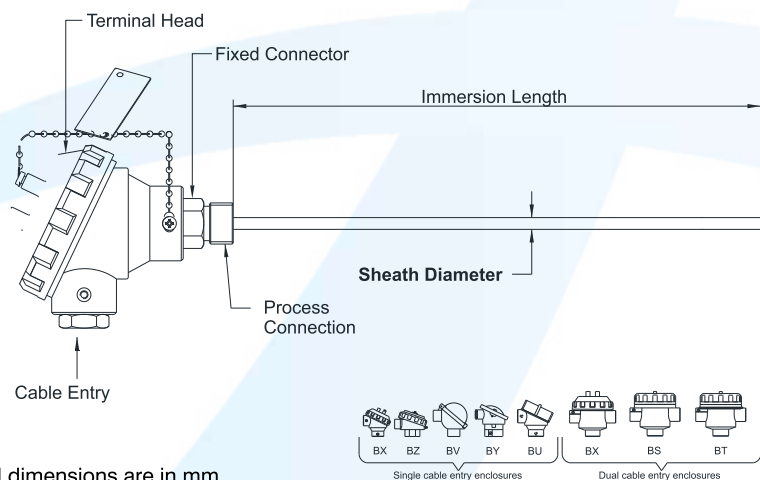
MIEPL make MTT04 Thermocouples are the most common, convenient, and versatile devices used to measure temperature. They convert units of heat into useable engineering units that serve as input signals for process controllers and recorders. A thermocouple consists of a welded 'hot' junction between two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



STANDARD SPECIFICATIONS

Element	: Type K (NiCr-Ni)
Accuracy	: Standard to ISA & ANSI MC96.1
No. of sensors	: Simplex
Hot junction	: Ungrounded
Sheath material	: AISI 316 SS
Sheath diameter	: 6.0 mm
Terminal head type	: Threaded, weatherproof, IP-65
Terminal head material	: Die-cast aluminum
Cable entry	: 3/4" ET (F), 1 No.
Head extension	: Adjustable threaded connection
Head extension length	: AISI 304 SS
Immersion length	: 150 mm
Process connection	: 1/2" NPT (M) / 1/2" BSP (M)

DRAWING



All dimensions are in mm.

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

ORDERING CODE

MTT04 - **K** - **P** - **V** - **U** - **MF** - **M60** - **BZ**

Category	Description	Code
1. ELEMENT	Type K (NiCr-Ni)	K
	Type J (Fe-CuNi)	J
	Type N (NiCrSi-NiSi)	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
	Triplex	X
	Duplex	W
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 ENCLASURE	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 [EEx-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	3/4" ET (F), 1 No.		C0		
	1/2" NPT (F), 1 No.			C1	
	M20 x 1.5mm (F), 1 No.				C2
	3/4" NPT (F), 1 No.				C3
	3/4" ET (F), 2 Nos.				C5
	1/2" NPT (F), 2 Nos.				C6
	M20 x 1.5mm (F), 2 Nos.				C8
	3/4" 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				
12. PROCESS CONNECTION	1/2" NPT (M)				4NM
	3/4" NPT (M)				5NM
	M20 X 1.5 mm (M)				4MM
	1/2" BSP (M)				4BM
	3/4" BSP (M)				5BM
13. OTHER OPTIONS	Calibration Certificate	SB	SC, cable gland, AISI 316 SS WP		JH
	Tag plate, AISI 304 SS	WF	DC, cable gland, AISI 316 SS WP		JI
	SC, cable gland, Ni-brass WP	JD	SC, cable gland, AISI 316 SS FP		JN
	DC, cable gland, Ni-brass WP	JE	DC, cable gland, AISI 316 SS FP		JO
	SC, cable gland, Ni-brass FP	JJ	Plug fitting for CE, AISI 304 SS		JB
	DC, cable gland, Ni-brass FP	JK	Plug fitting for CE, AISI 316 SS		JC
	SC, cable gland, AISI 304 SS WP	JF	Plug fitting for CE, Aluminum		JU
	DC, cable gland, AISI 304 SS WP	JG	SS base plate for transmitter		JS
	SC, cable gland, AISI 304 SS FP	JL	Head mount transmitter		JT
	DC, cable gland, AISI 304 SS FP	JM			

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.