

Nipple Extension

MIEPL make MTT01 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 Nipple Extension. Mainly used in Power, Chemical, steel and Oil Industries.



FEATURES

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

APPLICATION

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

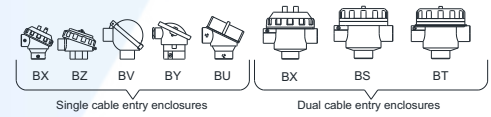
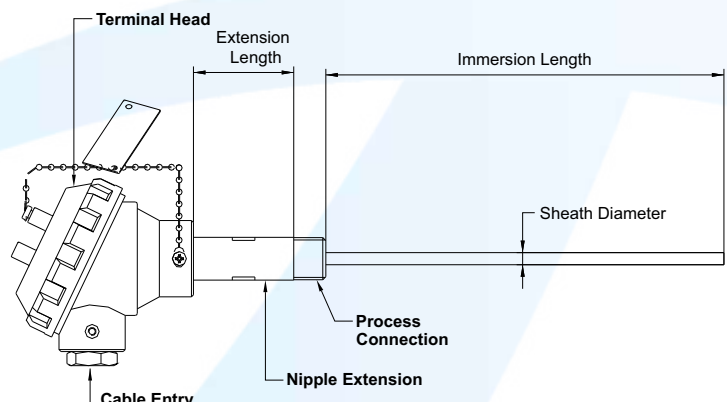
REFERENCE

- IEC-584.2 / ANSI MC-96.1

STANDARD SPECIFICATIONS

Element	: Type K (NiCr-Ni)
Accuracy	: Standard to ISA & ANSI MC96.1
No. of sensors	: Simplex
Hot junction	: Ungrounded
Sheath material	: 6.0 mm
Sheath diameter	: Threaded, weatherproof, IP-65
Terminal head type	: Die-cast aluminum
Terminal head material	: ¾" ET (F), 1 No.
Cable entry	: Nipple assembly in ASTM A105 (Cadmium plated)
Head extension	: AISI 316 SS
Head extension length	: 100 mm
Immersion length	: 150 mm
Process connection	: ½" NPT (M) / ½" BSP (M)

DRAWING



ORDERING CODE

MTT01 - k - P - V - U - MF - M60 - BZ

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		
	Ungrounded					U	
	Grounded						G
4. HOT JUNCTION	AISI 316 SS					MF	
	AISI 310 SS						ME
	AISI 316L SS						MG
	Inconel 600						MQ
5. SHEATH MATERIAL	3.0 mm						M30
	5.0 mm						M50
	6.0 mm						M60
	8.0 mm						M80
6. SHEATH DIAMETER	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	NO	4NM
8. ENCLOSURE MATERIAL	Die-cast aluminum		ML			
	AISI 304 SS		MC			
	AISI 316 SS		MF			
9. CABLE ENTRY	¾" ET (F), 1 No.			CO		
	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	Nipple assembly in ASTM A 105				NO	
	Nipple assembly in AISI 304 SS				N1	
	Nipple assembly in AISI 316 SS				N2	
11. HEAD EXTENSION LENGTH (XL)	50 mm up to 250 mm			XXX		
12. IMMERSION LENGTH (IL)	50 mm up to 10,000 mm			XXXXX		
13. 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
14. 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

MTT01 - MTT01 - K - P - V - U - MF - M60 - BZ - ML - CO - NO - 4NM

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