Nipple-union-nipple Extension (NUN)

MIEPL make MTT02 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 Union Extension. Mainly used in Power, Chemical, Steel and Oil Industries.

FEATURES

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

APPLICATION

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

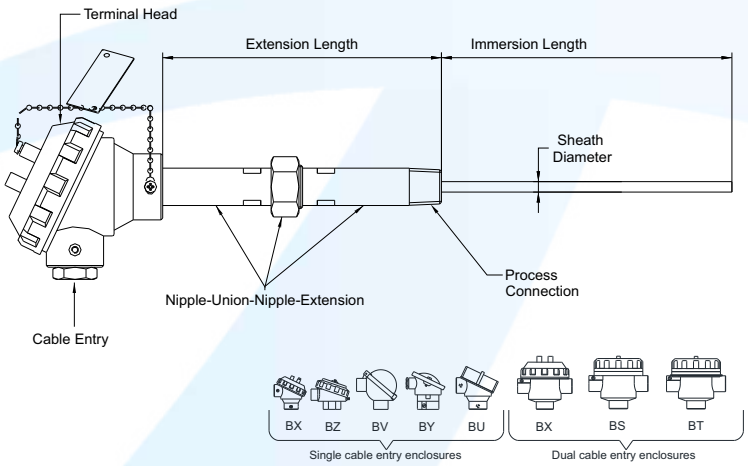
REFERENCE

- 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	:	AISI 316 SS
Sheath diameter	:	6.0 mm
Terminal head type	:	Threaded, weatherproof, IP-65
Terminal head material	:	Die-cast aluminum
Cable entry	:	¾" ET (F), 1 No.
Head extension	:	Nun assembly in ASTM A105 (Cadmium plated)
Head extension length	:	150 mm
Immersion length	:	150 mm
Process connection	:	½" NPT (M) / ½" BSP (M)

DRAWING



ORDERING CODE

MTT02 - 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

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ORDERING CODE

		ML -	CO -	N5 -	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	NUN assembly in ASTM A 105			N5	
	NUN assembly in AISI 304 SS			N6	
	NUN assembly in AISI 316 SS			N7	
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

MTT02 - K - P - V - U - MF - M60 - BZ - ML - C0 - N5 - 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.

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