

Weldpad Mounting

MIEPL make MTT14 Thermocouple 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. Mainly used in Power, Chemical, steel and Oil Industries. This type of Thermocouple is used to measure temperature of Surface.



FEATURES

- Weld-Pad connection
- Mineral insulated
- Transmitter mountable
- Exchangeable insert
- Spring loaded design

APPLICATION

- Refineries
- Oil & Gas application
- Surface temperature of refractory lined vessels
- Petrochemicals Plant
- Skin Temperature of Heater Tube

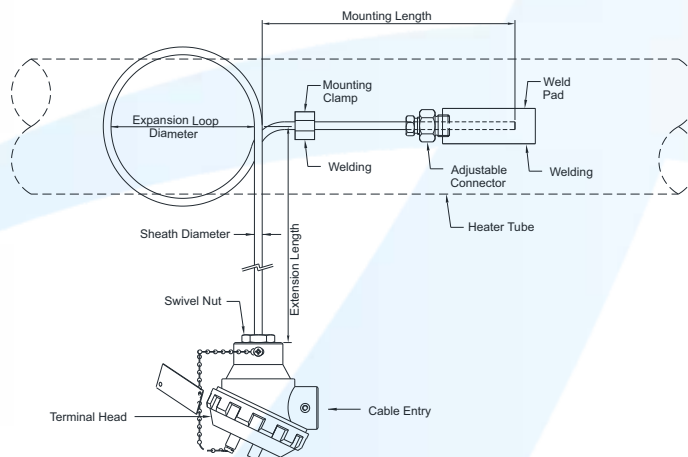
REFERENCE

- IEC-584.2 / ANSI MC-96.1

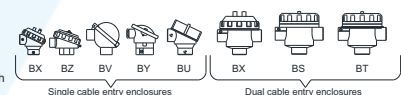
STANDARD SPECIFICATIONS

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	: 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



NOTE :- TOTAL LENGTH = Extension Length + Perimeter of Expansion Loop + Mounting Length



ORDERING CODE

MTT14 - **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			
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 ENCLSURE	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	B1	W2	MF
8. ENCLOSURE MATERIAL	Die-cast aluminum	ML				
	AISI 304 SS	MC				
	AISI 316 SS	MF				
9. CABLE ENTRY	3/4" ET (F), 1 No.		CO			
	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. MOUNTING TYPE	Local Mounting, no bracket			B0		
	Bracket Mounting, for head			B1		
	2" Pipe Mounting bracket			B2		
	Surface Mounting, for JB			B3		
11. WELD PAD SIZE	Rectangle, 100X25X25 mm				W0	
	Rectangle, 100X50X50 mm				W1	
	Rectangle, 50x25x25 mm				W2	
12. WELDPAD MATERIAL	AISI 316 SS					MF
	AISI 310 SS					ME
	AISI 446 SS					M6
	Inconel 600					MQ
13. TOTAL LENGTH (TL)	50 mm up to 25,000 mm					XXXXX
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 MTT14 - K - P - V - U - MF - M60 - BZ - ML - CO - B1 - W2 - MF

- 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.