

WITH INTEGRAL COLLAR

MIEPL make MTT19 Thermocouple Assembly with Integral Collar. This type of thermocouple specially design to measure skin temperature of Heater Tube and Flate surface. Typical application to measurement of surface temperature of refractory lined vessel, tank and reactors in Oil & Gas..



FEATURES

- Mineral insulated
- Spring loaded design for positive contact.
- Available in all sheath diameters and sheath material
- Mineral insulation enables Thermocouples to be used at high temperature.
- Enclosures in all material - Die cast Aluminium / cast iron/SS 304/SS 316
- Enclosures in all categories (Weatherproof, IP-65 to IP-68), Flameproof GR. IIA IIB and Explosionproof, GR. IIA IIB IIC For Hservice application.

APPLICATION

- This design is specifically used to measure skin temperature of heater Tube or flat surface. Typical applications are measurement of surface temperature of refractory lined vessels, Columns, reactor in petrochemical Plants and oil refineries and Pipelines.

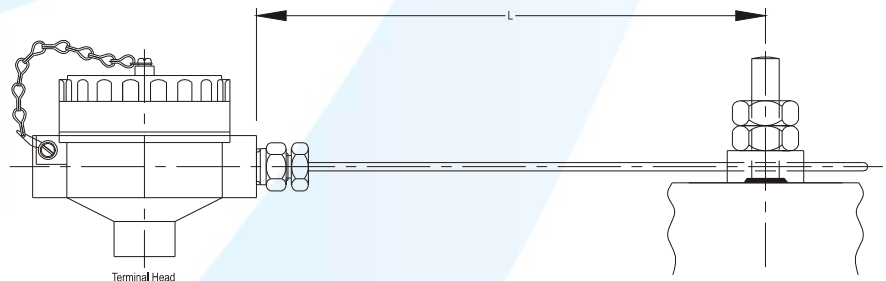
REFERENCE

- IANSI 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	: Screwed type, weatherproof, IP-65
Terminal head material	: Die-cast Aluminum
Cable entry	: 3/4" ET (F), 1 No.
Mounting Type	: Bracket Mounting for Head
Weld Pad Size	: 30 mm X 19 mm X 10 mm
Weld Pad Material	: AISI 316 SS
Total Length	: 3000 mm

DRAWING



ORDERING CODE

MTT19 - k - P - V - U - MF - M60 - BZ - ML - CO

1. ELEMENT	Type K (NiCr-Ni)	K								
	Type J (Fe-CuNi)	J								
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 [Ex-d]Die-cast aluminum						BU			
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	

ORDERING CODE

				B1	W4	MF
	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. INTEGRAL COLLAR SIZE	Integral collar, 30x19x10 mm			W4		
	Integral collar, 40x19x10 mm			W5		
	Integral collar,50x19x10 mm			W6		
12. INTEGRAL COLLAR MATERIAL	AISI 316 SS					MF
	AISI 310 SS					MG
	AISI 446 SS					ME
	Inconel 600					MQ
13. TOTAL LENGTH (TL)	50 mm up to 25,000 mm					XXXXX
	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 **MTT19 - K - P - V - U - MF - M60 - BZ - ML - CO - B1 - W2 - MF**

NOTES:

1. When selecting option "SB", Please also specify measuring tempeature range.(e.g.o/300°c).