

(90° BEND) (WRAP AROUND) (LOOP AND WRAP AROUND)

MIEPL Make MTT21 Wedge Shaped Skin Thermocouple. This thermocouple is bended on 90deg angle. this thermocouple used to measure the skin temperature of fired heater and industrial boiler tube.



FEATURES

- Mineral insulated
- Wedge Shaped thick walled Thermocouple
- Available in all sheath diameters and sheath material
- Grounded Junction in a wedge Shaped tip for direct welding to a tube

APPLICATION

- For Skin temperature measurement of fired heaters and industrial boiler tubes.

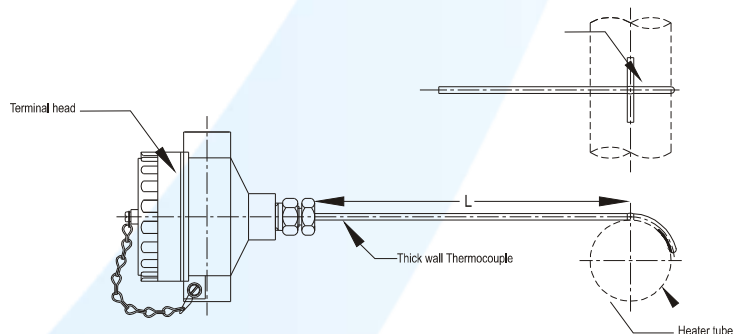
REFERENCE

- 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.
Installation Type	: Perpendicular To Tube Axis & : 90° Left Co-Axial Bend
Expansion Loop	: None
Perpendicular Length "P"	: 1000mm
Axial Length "A" mm	200mm
Tube O.D.	406.4 mm

DRAWING



ORDERING CODE

MTT21 - **k** - **P** - **V** - **U** - **MF** - **M10** - **BZ** - **ML** - **CO**

ORDERING CODE	DESCRIPTION	CODE
1. ELEMENT	Type K (NiCr-Ni)	K
	Type J (Fe-CuNi)	J
	Type N (NiCrSi-NiSi)T	N P
	Type E (NiCr-CuNi)	E Q
2. ACCURACY	Standard	V
	Special	X
3. NO. OF SENSORS	Simplex	W
	Triplex	
	Duplex	
4. HOT JUNCTION	Ungrounded	U
	Grounded	G
5. SHEATH DIAMETER	10.0 mm	
	12.0 mm	
	Consult factory for other size.	
6. SHEATH MATERIAL	AISI 310 SS	ME
	AISI446 SS	M6
	Inconel 600	MQ
	Inconel 800	MR
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]Die-cast aluminum	BU
8. ENCLOSURE MATERIAL	Die-cast aluminum	ML
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

			1	XXX	SB
	½" NPT (F), 2 Nos.	C6			
	M20 x 1.5mm (F), 2 Nos.	C8			
	¾" NPT (F), 2 Nos.	C9			
10. INSTALLATION TYPE	Perpendicular to tube Axis & 90° Left Co-Axial Bend		1		
	Perpendicular to tube Axis & 90° Right Co-Axial Bend		2		
	Axial With Tube Wrap Around Angle of 90° on Right Side of Tube		3		
	Axial With Tube Wrap Around Angle of 90° on Left Side of Tube		4		
	Perpendicular To Tube Axis With Left Loop & Wrap Around Angle of 90°		5		
	Perpendicular To Tube Axis With Right Loop & Wrap Around Angle of 90°		6		
11. PERPENDICULAR LENGTH "P"	Specify in mm.			XXX	
12. AXIAL LENGTH "A" mm	Specify in mm.			XXX	
13. TUBE O.D.	Specify in mm.			XXX	
14. TOTAL LENGTH (TL)	50 mm up to 25,000 mm				
15. OTHER OPTIONS	Calibration Certificate	SB	SC, cable gland, AISI 316 SS WP		JM
	Tag plate, AISI 304 SS	WF	DC, cable gland, AISI 316 SS WP		JH
	SC, cable gland, Ni-brass WP	JD	SC, cable gland, AISI 316 SS FP		JI
	DC, cable gland, Ni-brass WP	JE	DC, cable gland, AISI 316 SS FP		JN
	SC, cable gland, Ni-brass FP	JJ	Plug fitting for CE, AISI 304 SS		JO
	DC, cable gland, Ni-brass FP	JK	Plug fitting for CE, AISI 316 SS		JB
	SC, cable gland, AISI 304 SS WP	JF	Plug fitting for CE, Aluminum		JC
	DC, cable gland, AISI 304 SS WP	JG	SS base plate for transmitter		JU
	SC, cable gland, AISI 304 SS FP	JL	Head mount transmitter		JS
DC, cable gland, AISI 304 SS FP					

Ordering Example MTT21 -K- P -V-U-MF -M60-BZ-ML-CO-1-XXX-SB

NOTES:

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