

*Flanged*

**MIEPL** Protection Tube MTR11 RTD Assembly is important to protect RTD sensor from corrosion, direct flame and high flow & Pressure. This has flange process connection.

**FEATURES**

- ⇒ Integrated Protecting Tube
- ⇒ Mineral insulated
- ⇒ Transmitter mountable
- ⇒ Exchangeable insert
- ⇒ Spring loaded design

**APPLICATION**

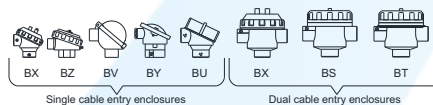
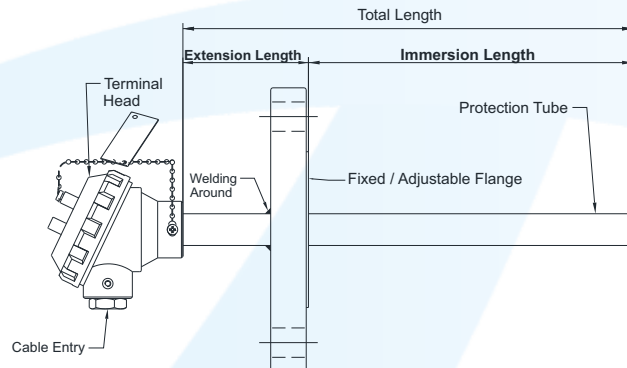
- ⇒ Chemical & petrochemical
- ⇒ Oil & gas application
- ⇒ Water, waste-water treatment
- ⇒ Power & Utilities
- ⇒ Air & flue gas services
- ⇒ Furnaces, Kilns & Ovens

**REFERENCE**

- ⇒ IEC-751 / DIN 43760

**STANDARD SPECIFICATIONS**

Element	: Pt-100, class B
Range	: -200...400°C
Wire combination	: Simplex, 3 Wire
Sheath material	: AISI 316 SS
Sheath diameter	: 6.0 mm
Head enclosure	: Weatherproof, IP 65, threaded cover
Enclosure material	: Die-cast aluminum
Cable entry	: ¾" ET (F), 1 No.
Head extension	: Head with female threading
Protecting tube material	: AISI 316 SS
Protecting tube size	: ½" Sch. 40
Process connection type	: Adjustable
Process connection	: 1.5" RF 150# as per ANSI B 16.5
Process connection material	: AISI 304 SS
Immersion Length	: 150 mm
Extension Length	: 100 mm

**DRAWING**

## ORDERING CODE

MTR11 - PT100B - XXX - C - MF - M60 - BZ - ML - CO

ORDERING CODE	DESCRIPTION	PT100B	XXX	C	MF	M60	BZ	ML	CO
1. ELEMENT	Pt100, Class A	PT 100 A							
	Pt100, Class B	PT 100 B							
	Pt500, Class A	PT 500 A							
	Pt500, Class B	PT 500 B							
	Pt1000, Class A	PT1000 A							
	Pt1000, Class B	PT1000 B							
2. RANGE	-200...400°C		XXX						
	0...600°C		XXX						
3. WIRE COMBINATION	Simplex, 2-Wire			A					
	Simplex, 4-Wire			D					
	Duplex, 3-Wire			H					
	Simplex, 3-Wire			C					
	Duplex, 2-Wire			F					
	Duplex, 4-Wire			I					
4. SHEATH MATERIAL	AISI 316 SS				MF				
	AISI 316L SS				MG				
5. SHEATH DIAMETER	3.0 mm					M30			
	5.0 mm					M50			
	6.0 mm					M60			
	8.0 mm					M80			
6. HEAD ENCLOSURE	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 screw						BY		
	Ex-Proof to CSA,FM,ATEX [EEx-d]s						BU		
7. ENCLOSURE MATERIAL	Die-cast aluminum							ML	
	AISI 316 SS							MF	
	AISI 304 SS							MC	
8. 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

## ORDERING CODE

			MF	U5	AC	A25	MC
9. PROTECTION TUBE MATERIAL	AISI 304 SS		MC				
	AISI 316L SS		MG				
	AISI 316 SS		MF				
10. PROTECTION TUBE	Tube Ø10 x 1.5 mm THK			U1			
	Tube Ø12 x 1.5 mm THK			U2			
	Pipe 3/8" Sch 40			U3			
	Pipe 3/8" Sch 80			U4			
	Pipe 1/2" Sch 40			U5			
	Pipe 1/2" Sch 80			U6			
	Pipe 3/4" Sch 40			U7			
	Pipe 3/4" Sch 80			U8			
11. PROCESS CONNECTION TYPE	Adjustable connection				AC		
	Fixed connection				Fd		
12. PROCESS CONNECTION	1.5" RF 150# as per ANSI B 16.5					A25	
	1.5" RF 300# as per ANSI B 16.5					A26	
	1.5" RF 600# as per ANSI B 16.5					A27	
	2" RF 150# as per ANSI B 16.5					A31	
	2" RF 300# as per ANSI B 16.5					A32	
	2" RF 600# as per ANSI B 16.5					A33	
	Oval flange					T99	
13. PROCESS CONNECTION MATERIAL	AISI 304 SS						MC
	AISI 316 SS						MF
14. TOTAL LENGTH (TL)	50 mm up to 5,000 mm						XXXX
15. IMMERSION LENGTH (L)	50 mm up to 5,000 mm						XXXX
16. EXTENSION LENGTH (XL)	50 mm up to 250 mm						XXX
17. OTHER OPTIONS	SC, Cable Gland, Ni-brass WP	JB	Terminal Head In SS 304				JN
	DC, Cable Gland, Ni-brass WP	JC	Terminal Head In SS 316				JO
	SC, Cable Gland, AISI 304 SS WP	JD	Terminal Head In Cast Iron				JP
	DC, Cable Gland, AISI 304 SS WP	JE	SS base Plate For Transmitter				JQ
	SC, Cable Gland, AISI 316 SS WP	JF	Head Mount Transmitter				JR
	DC, Cable Gland, AISI 316 SS WP	JG	Plug Fitting For CE, Aluminum				JS
	SC, Cable Gland, Ni-brass FP	JH	Calibration Certificate				JT
	DC, Cable Gland, Ni-brass FP	JI	Tag Plate, AISI 304 SS				JU
	SC, Cable Gland, AISI 304 SS FP	JJ					SB
	DC, Cable Gland, AISI 304 SS FP	JK					WF
	SC, Cable Gland, AISI 316 SS FP	JL					
DC, Cable Gland, AISI 316 SS FP	JM						

Ordering Example **MTR11 - PT100B - XXX - C - MF - M60 - BZ - ML - CO - MF - U5 - AC - A25 - MC**

1. Other sheath diameters, materials and connections are available, please contact factory for details.
2. Not available in Double, 4-Wire combinations..
3. WP = Weatherproof, FP = Flame proof, SC = Single Compression, DC = Double Compression, CE = Cable Entry, JB = Junction Box.
4. Transmitter output shall be 4...20 mA as standard, any other output required, please contact factory for details.