

Threaded

MIEPL Protection Tube MTR10 RTD Assembly is important to protect RTD sensor from corrosion direct flame and high flow & Pressure

**FEATURES**

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

APPLICATION

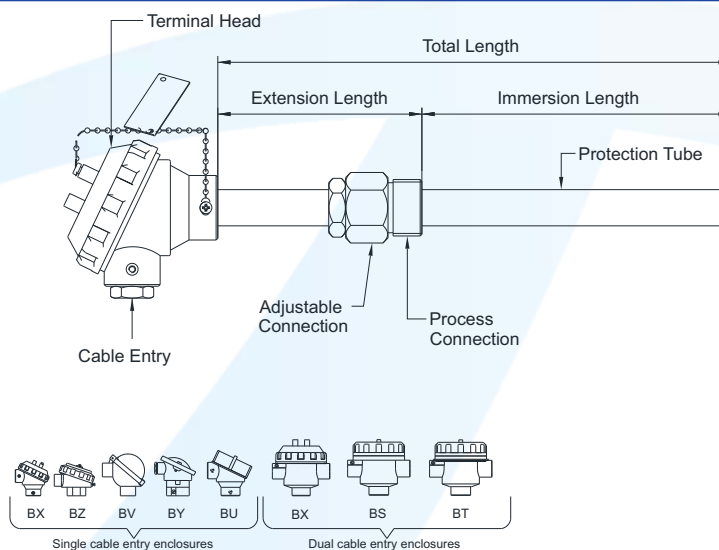
- Chemical & petrochemical
- Oil & gas application
- Water, waste-water treatment
- Power & Utilities
- Air & flue gas services
- Furnaces, Kilns & Ovens

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	: ¾" NPT (M) / ¾" BSP (M)
Process connection material	: AISI 304 SS
Immersion Length	: 150 mm
Extension Length	: 100 mm

DRAWING

ORDERING CODE

MTR10 - 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	-	5NM	-	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						FC				
12. PROCESS CONNECTION	1/2" NPT (M)								4NM		
	1/2" BSP (M)								4BM		
	1" NPT (M)								6NM		
	1" BSP (M)								6BM		
	3/4" NPT (M)							5NM			
	3/4" BSP (M)								5BM		
	2" NPT (M)								8NM		
	2" BSP (M)								8BM		
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 (IL)	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					DC, Cable Gland,AISI 316 SS FP				JM
	DC, Cable Gland, Ni-brass WP	JC					Terminal Head In SS 304				JN
	SC, Cable Gland,AISI 304 SS WP	JD					Terminal Head In SS 316				JO
	DC, Cable Gland,AISI 304 SS WP	JE					Terminal Head In Cast Iron				JP
	SC, Cable Gland,AISI 316 SS WP	JF					SS base Plate For Transmitter				JQ
	DC, Cable Gland,AISI 316 SS WP	JG					Head Mount Transmitter				JR
	SC, Cable Gland, Ni-brass FP	JH					Plug Fitting For CE, Aluminum				JS
	DC, Cable Gland, Ni-brass FP	JI					Calibration Certificate				JT
	SC, Cable Gland,AISI 304 SS FP	JJ					Tag Plate, AISI 304 SS				JU
	DC, Cable Gland,AISI 304 SS FP	JK									SB
	SC, Cable Gland,AISI 316 SS FP	JL									WF

Ordering Example **MTR10** - **PT100B** - **XXX** - **C** - **MF** **M60** - **BZ** - **ML** - **CO** - **MF** - **U5** - **AC** - **5NM** - **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.