

*Nipple Extension*

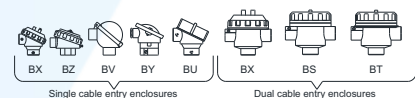
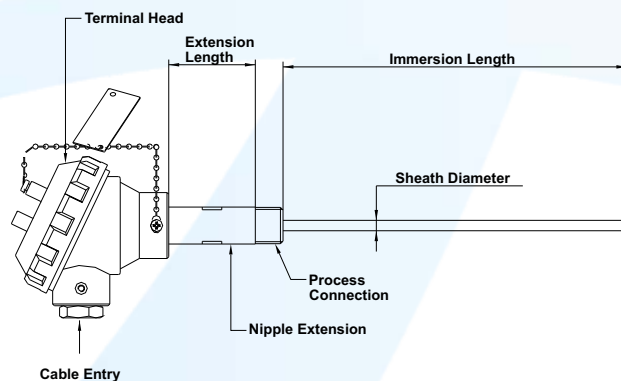
**MIEPL** Make RTD MTR01 accurately sense temperature with an excellent degree of repeatability and inter change ability of elements. The RTD is composed of certain metallic elements whose change in resistance is a function of temperature. A Nipple Union is available in RTD witch directly can mount in process line. Theses RTDs are widly used in Boiler and Steam application.



## 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	: 3/4" ET (F), 1 No.
Head extension	: Nipple assembly in ASTM A105 (Cadmium plated)
Head extension length	: 100 mm
Immersion length	: 150 mm
Process connection	: 1/2" NPT (M) / 1/2" BSP (M)

## DRAWING



All dimensions are in mm.

## FEATURES

- Nipple extension
- Mineral insulated
- Exchangeable insert
- Spring loaded design

## APPLICATION

- Chemical & petrochemical
- Oil & gas application
- Water, waste-water treatment
- Power & Utilities

## REFERENCE

- IEC-751 / DIN 43760

### ORDERING CODE

	MTR01	PT100A	-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		
	Die-cast aluminum							ML	
7. ENCLOSURE MATERIAL	AISI 316 SS							MF	
	AISI 304 SS							MC	
									CO
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

		NO	4NM
9. HEAD EXTENSION	Nipple assembly in ASTM A 105	N0	
	Nipple assembly in AISI 304 SS	N1	
	Nipple assembly in AISI 316 SS	N2	
10. HEAD EXTENSION LENGTH (XL)	50 mm up to 250 mm	XXX	
11. IMMERSION LENGTH (IL)	50 mm up to 10,000 mm	XXXXX	
12. PROCESS CONNECTION	½" NPT (M)		4NM
	½" BSP (M)		4BM
	¾" NPT (M)		5NM
	¾" BSP (M)		5BM
	M20 X 1.5 mm (M)		4MM
13. OTHER OPTIONS	Plug Fitting For CE, AISI 304 SS		JB
	Plug Fitting For CE, AISI 316 SS		JC
	SC, Cable Gland, Ni-brass WP		JD
	DC, Cable Gland, Ni-brass WP		JE
	SC, Cable Gland,AISI 304 SS WP		JF
	DC, Cable Gland,AISI 304 SS WP		JG
	SC, Cable Gland,AISI 316 SS WP		JH
	DC, Cable Gland,AISI 316 SS WP		JI
	SC, Cable Gland, Ni-brass FP		JJ
	DC, Cable Gland, Ni-brass FP		JK
	SC, Cable Gland,AISI 304 SS FP		JL
	DC, Cable Gland,AISI 304 SS FP		JM
	SC, Cable Gland,AISI 316 SS FP		JN
	DC, Cable Gland,AISI 316 SS FP		JO
	Terminal Head In SS 304		JP
	Terminal Head In SS 316		JQ
	Terminal Head In Cast Iron		JR
	SS base Plate For Transmitter		JS
	Head Mount Transmitter		JT
	Plug Fitting For CE, Aluminum		JU
Calibration Certificate		SB	
Tag Plate, AISI 304 SS		WF	

Ordering Example **MTR01** - **PT100A** - **XXX** - **C** - **M60** - **BZ** - **ML** - **CO** - **N0** **4NM**

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
4. Transmitter output shall be 4...20 mA as standard, any other output required, please contact factory for details.
5. Nipple assembly in ASTM A105 is provided with Cd plating.