

## Transition Joint

**MIEPL** Make RTD MTR05 accurately sense temperature with an excellent degree of repeatability and interchange ability of elements. The RTD is composed of certain metallic elements whose change in resistance is a function of temperature. This type of RTD have adjustable Thread connector. RTDs are used in every process industries.



## FEATURES

- Mineral insulated cable
- Crimp-on-pot sealed
- ISO threaded pot
- Adjustable / fixed connection

## APPLICATION

- Power & Utilities
- Water treatment plants
- Furnace, Ovens & Boilers
- Machineries, Plants & Tanks

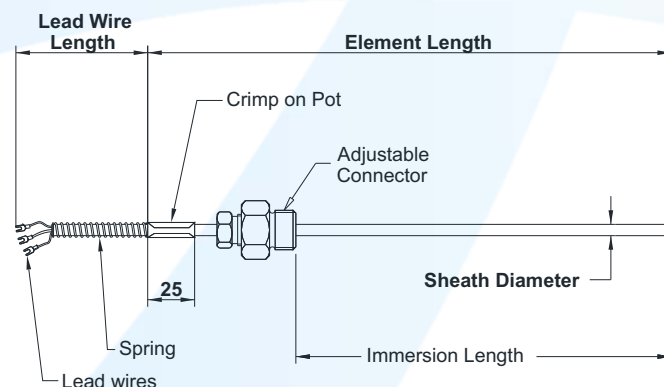
## REFERENCE

- 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
Cold-end termination	: Crimp-on pot
Immersion length	: 150 mm
Lead wire length	: 3000 mm
Lead wire type	: PTFE / PTFE / SS Braided Lead wires
Process connection type	: Adjustable
Process connection	: ½" NPT (M) / ½" BSP (M)

## DRAWING



## ORDERING CODE

MTR05 - PT100A - XXX - C - MF - M60 - X0 - KR - AC - 4NM

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 <sup>2</sup>					M30					
	5.0 mm					M50					
	6.0 mm					M60					
	8.0 mm					M80					
6. COLD END TERMINATION	Crimp-on-pot sealed						X0				
	ø6 mm ISO threaded pot						K6				
	ø8 mm ISO threaded pot						K7				
	ø10 mm ISO threaded pot						K8				
	ø12 mm ISO threaded pot						K9				
7. ELEMENT LENGTH (EL)	50 mm up to 10,000 mm						XXXXX				
8. IMMERSION LENGTH (IL)	50 mm up to 10,000 mm						XXXXX				
9. LEAD WIRE LENGTH (WL)	Up to 25,000 mm						XXXXX				
10. LEAD WIRE TYPE	PTFE insulated								KP		
	PTFE / PTFE insulated								KQ		
	PTFE / PTFE / SS braided								KR		
	FG / FG / SS braided								KS		
	PTFE / PTFE / Silicon Rubber insulated								KV		
11. PROCESS CONNECTION TYPE	Adjustable Connection									AC	
	Fixed Connection									FC	
12. PROCESS CONNECTION	¼" NPT (M)										2NM
	¼" BSP (M)										2BM
	½" NPT (M)										4NM
	½" BSP (M)										4BM
13. OTHER OPTIONS	Calibration Certificate										SB
	Tag plate, AISI 304 SS										WF

**ORDERING CODE**

Ordering Example **MTR05** - **PT100A** - **XXX** - **C** - **MF** - **M60** - **XO** - **KR** - **AC** - **4NM**

1. Other sheath diameters, materials and connections are available, please contact factory for details.
2. Available in Single, 2-Wire combination only.
3. FG = Fiber Glass
4. Please mention with the inquiry, if you are choosing "Immersion length".