

## 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

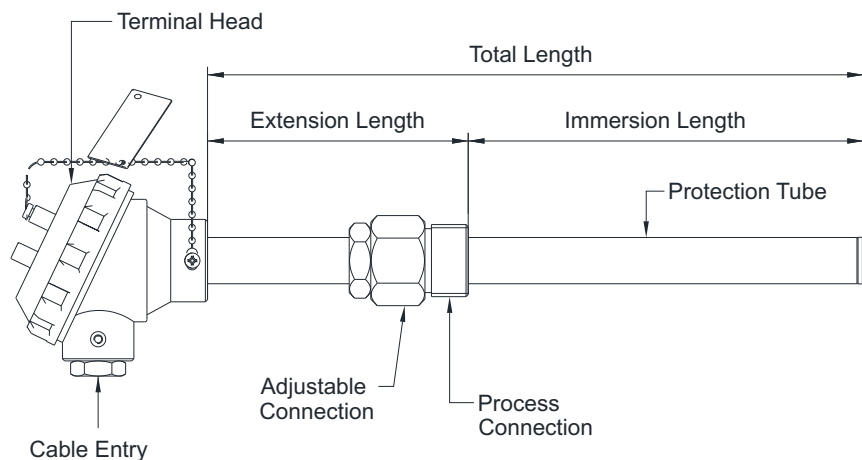
### Threaded



### STANDARD SPECIFICATIONS

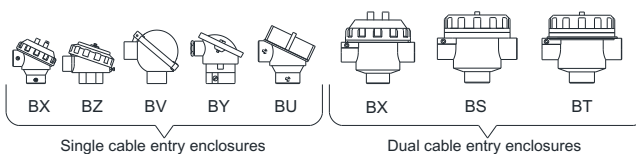
Element	:	Pt-100, class B
Range	:	-200...400°C
Wire combination	:	Simplex, 3 Wire
Sheath material	:	AISI 316 SS
Sheath diameter	:	6.0 mm
Head enclosure	:	Weatherproof, IP 65, threaded cover
Enclosure material	:	Die-cast aluminum
Cable entry	:	3/4" ET (F), 1 No.
Head extension	:	Head with female threading
Protecting tube material	:	AISI 316 SS
Protecting tube size	:	1/2" Sch. 40
Process connection type	:	Adjustable
Process connection	:	3/4" NPT (M) / 3/4" BSP (M)
Process connection material	:	AISI 304 SS
Immersion Length	:	150 mm
Extension Length	:	100 mm

### DIMENSIONAL DRAWING



## REFERENCE

IEC-751 / DIN 43760



## ORDERING CODES

## 1. ELEMENT

<b>0</b>	Pt100, class A	<b>1</b>	Pt100, class B
<b>2</b>	Pt500, class A	<b>3</b>	Pt500, class B
<b>4</b>	Pt1000, class A	<b>5</b>	Pt1000, class B

## 2. RANGE

<b>97C</b>	-200...400°C	<b>98C</b>	0...600°C
------------	--------------	------------	-----------

## 3. WIRE COMBINATION

<b>A</b>	Simplex, 2-Wire	<b>C</b>	Simplex, 3-Wire
<b>D</b>	Simplex, 4-Wire	<b>F</b>	Duplex, 2-Wire
<b>H</b>	Duplex, 3-Wire	<b>I</b>	Duplex, 4-Wire

## 4. SHEATH MATERIAL

<b>MF</b>	AISI 316 SS	<b>MG</b>	AISI 316L SS
-----------	-------------	-----------	--------------

## 5. SHEATH DIAMETER

<b>M30</b>	3.0 mm <sup>2</sup>	<b>M50</b>	5.0 mm
<b>M60</b>	6.0 mm	<b>M80</b>	8.0 mm

## 6. HEAD ENCLOSURE

<b>BZ</b>	WP, IP 65, threaded cover
<b>BX</b>	WP, IP 67, threaded cover
<b>BS</b>	Flame proof, IP 67, Gr IIA, IIB
<b>BT</b>	Explosion proof, IP 67, Gr IIC
<b>BV</b>	WP, IP 65, Hinged type
<b>BY</b>	WP, IP 65, cover fitted with 2 screws
<b>BU</b>	Ex-Proof to CSA,FM,ATEX [Ex-d]

## 7. ENCLOSURE MATERIAL

<b>ML</b>	Die-cast aluminum		
<b>MC</b>	AISI 304 SS	<b>MF</b>	AISI 316 SS

## 8. CABLE ENTRY

<b>C0</b>	3/4" ET (F), 1 No.
<b>C1</b>	1/2" NPT (F), 1 No.
<b>C2</b>	M20 x 1.5mm (F), 1 No.
<b>C3</b>	3/4" NPT (F), 1 No.
<b>C5</b>	3/4" ET (F), 2 Nos.
<b>C6</b>	1/2" NPT (F), 2 Nos.
<b>C8</b>	M20 x 1.5mm (F), 2 Nos.
<b>C9</b>	3/4" NPT (F), 2 Nos.

## 9. PROTECTION TUBE MATERIAL

<b>MC</b>	AISI 304 SS	<b>MF</b>	AISI 316 SS
<b>MG</b>	AISI 316L SS		

## 10. PROTECTION TUBE

<b>U1</b>	Tube Ø10 x 1.5 mm THK	<b>U5</b>	
<b>U2</b>	Tube Ø12 x 1.5 mm THK		
<b>U3</b>	Pipe 3/8" Sch 40	<b>U4</b>	Pipe 3/8" Sch 80
<b>U5</b>	Pipe 1/2" Sch 40	<b>U6</b>	Pipe 1/2" Sch 80
<b>U7</b>	Pipe 3/4" Sch 40	<b>U8</b>	Pipe 3/4" Sch 80

## 11. PROCESS CONNECTION TYPE

<b>KW</b>	Adjustable connection	<b>KW</b>	
<b>KX</b>	Fixed connection		

## 12. PROCESS CONNECTION

<b>14N</b>	1/2" NPT (M)	<b>15N</b>	3/4" NPT (M)
<b>14B</b>	1/2" BSP (M)	<b>15B</b>	3/4" BSP (M)
<b>16N</b>	1" NPT (M)	<b>18N</b>	2" NPT (M)
<b>16B</b>	1" BSP (M)	<b>16B</b>	2" BSP (M)

## 13. PROCESS CONNECTION MATERIAL

<b>MC</b>	AISI 304 SS	<b>MF</b>	AISI 316 SS
-----------	-------------	-----------	-------------

## 14. TOTAL LENGTH (TL)

<b>XXXX</b>	50 mm up to 5,000 mm
	OR

## 14. IMMERSION LENGTH (IL)

<b>XXXX</b>	50 mm up to 5,000 mm
-------------	----------------------

## 15. EXTENSION LENGTH (XL)

<b>XXX</b>	50 mm up to 250 mm
------------	--------------------

## 16. OTHER OPTIONS

<b>TB</b>	Calibration Certificate	<b>XX</b>	
<b>XF</b>	Tag plate, AISI 304 SS		
<b>KD</b>	SC, cable gland, Ni-brass WP		
<b>KE</b>	DC, cable gland, Ni-brass WP		
<b>KJ</b>	SC, cable gland, Ni-brass FP		
<b>KK</b>	DC, cable gland, Ni-brass FP		
<b>KF</b>	SC, cable gland, AISI 304 SS WP		
<b>KG</b>	DC, cable gland, AISI 304 SS WP		
<b>KL</b>	SC, cable gland, AISI 304 SS FP		
<b>KM</b>	DC, cable gland, AISI 304 SS FP		
<b>KH</b>	SC, cable gland, AISI 316 SS WP		
<b>KI</b>	DC, cable gland, AISI 316 SS WP		
<b>KN</b>	SC, cable gland, AISI 316 SS FP		
<b>KO</b>	DC, cable gland, AISI 316 SS FP		
<b>KB</b>	Plug fitting for CE, AISI 304 SS		
<b>KC</b>	Plug fitting for CE, AISI 316 SS		
<b>KU</b>	Plug fitting for CE, Aluminum		
<b>KS</b>	SS base plate for transmitter		
<b>KT</b>	Head mount transmitter		

## Ordering Example : R302-1-97C-C-MF-M60-BZ-ML-C0-MF-U5-KW-15N-MC-250/150-100

## NOTES:

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