

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

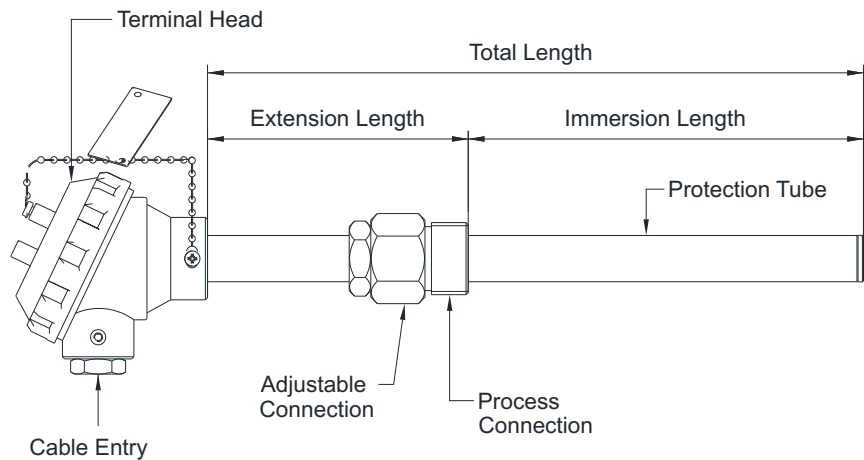
Threaded



STANDARD SPECIFICATIONS

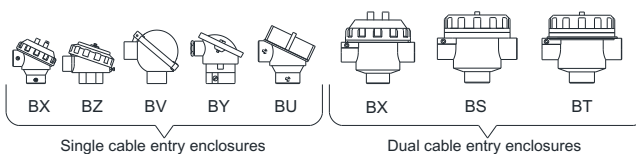
Element	:	Pt-100, class B
Range	:	-200...400°C
Wire combination	:	Simplex, 3 Wire
Sheath material	:	AISI 316 SS
Sheath diameter	:	6.0 mm
Head enclosure	:	Weatherproof, IP 65, threaded cover
Enclosure material	:	Die-cast aluminum
Cable entry	:	3/4" ET (F), 1 No.
Head extension	:	Head with female threading
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

0	Pt100, class A	1	Pt100, class B
2	Pt500, class A	3	Pt500, class B
4	Pt1000, class A	5	Pt1000, class B

2. RANGE

97C	-200...400°C	98C	0...600°C
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3. WIRE COMBINATION

A	Simplex, 2-Wire	C	Simplex, 3-Wire
D	Simplex, 4-Wire	F	Duplex, 2-Wire
H	Duplex, 3-Wire	I	Duplex, 4-Wire

4. SHEATH MATERIAL

MF	AISI 316 SS	MG	AISI 316L SS
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5. SHEATH DIAMETER

M30	3.0 mm ²	M50	5.0 mm
M60	6.0 mm	M80	8.0 mm

6. HEAD ENCLOSURE

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

7. ENCLOSURE MATERIAL

ML	Die-cast aluminum		
MC	AISI 304 SS	MF	AISI 316 SS

8. CABLE ENTRY

C0	¾" ET (F), 1 No.
C1	½" NPT (F), 1 No.
C2	M20 x 1.5mm (F), 1 No.
C3	¾" NPT (F), 1 No.
C5	¾" ET (F), 2 Nos.
C6	½" NPT (F), 2 Nos.
C8	M20 x 1.5mm (F), 2 Nos.
C9	¾" NPT (F), 2 Nos.

9. PROTECTION TUBE MATERIAL

MC	AISI 304 SS	MF	AISI 316 SS
MG	AISI 316L SS		

10. PROTECTION TUBE

U1	Tube Ø10 x 1.5 mm THK	U5	
U2	Tube Ø12 x 1.5 mm THK		
U3	Pipe 3/8" Sch 40	U4	Pipe 3/8" Sch 80
U5	Pipe ½" Sch 40	U6	Pipe ½" Sch 80
U7	Pipe ¾" Sch 40	U8	Pipe ¾" Sch 80

11. PROCESS CONNECTION TYPE

KW	Adjustable connection	KW	
KX	Fixed connection		

12. PROCESS CONNECTION

14N	½" NPT (M)	15N	¾" NPT (M)	15N	
14B	½" BSP (M)	15B	¾" BSP (M)		
16N	1" NPT (M)	18N	2" NPT (M)		
16B	1" BSP (M)	16B	2" BSP (M)		

13. PROCESS CONNECTION MATERIAL

MC	AISI 304 SS	MF	AISI 316 SS	MC	
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14. TOTAL LENGTH (TL)

XXXX	50 mm up to 5,000 mm	250	
	OR		

14. IMMERSION LENGTH (IL)

XXXX	50 mm up to 5,000 mm	150	
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15. EXTENSION LENGTH (XL)

XXX	50 mm up to 250 mm	100	
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16. OTHER OPTIONS

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