

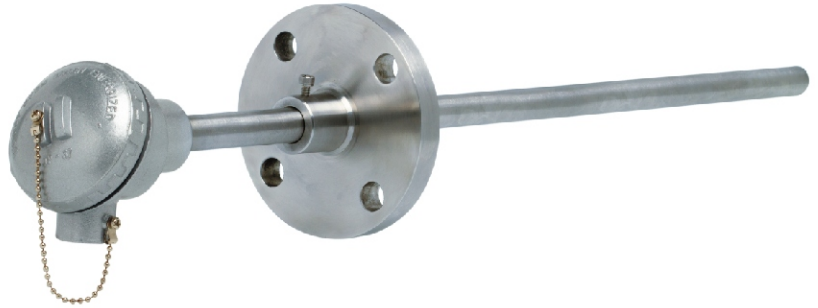
## FEATURES

- 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, Klins & Ovens

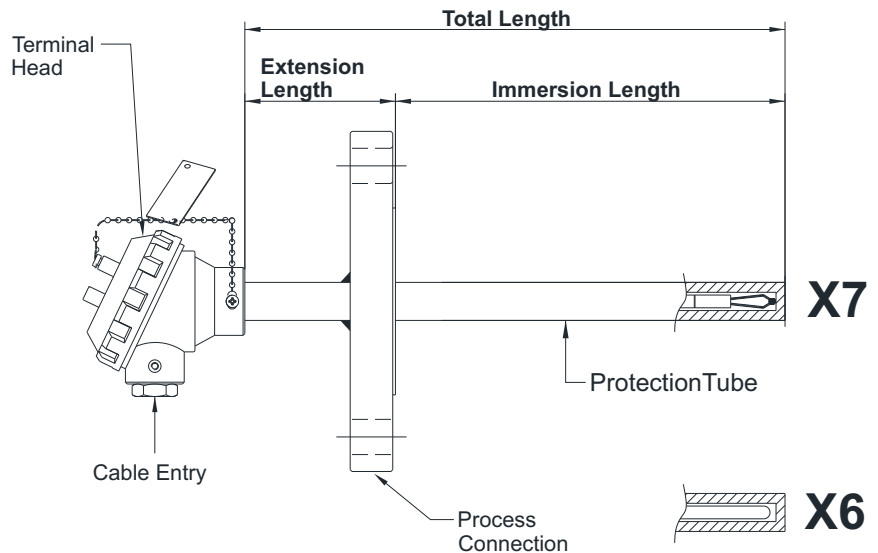
### Threaded / Flanged



### STANDARD SPECIFICATIONS

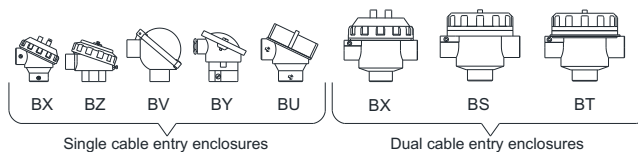
Element	:	Type K (NiCr-Ni)
Accuracy	:	Standard to ISA & ANSI MC96.1
No. of sensors	:	Simplex
Hot junction	:	Ungrounded
Sheath material	:	AISI 316 SS
Sheath diameter	:	6.0 mm
Terminal head type	:	Threaded, weatherproof, IP-65
Terminal head material	:	Die-cast Aluminum
Cable entry	:	3/4" ET (F), 1 No.
Head Extension Type	:	Head with female threading
Protecting Tube Material	:	AISI 316 SS
Protecting Tube Size	:	1/2" Sch 40
Process connection type	:	Adjustable connection
Process connection	:	3/4" NPT (M)
Process connection material:	:	ASTM A 105 (Carbon Steel)
Immersion Length	:	150 mm
Extension Length	:	100 mm

### DIMENSIONAL DRAWING



## REFERENCE

IEC-584.2 / ANSI MC-96.1



## ORDERING CODES

## 1. ELEMENT

<b>K</b>	Type K (NiCr-Ni)
<b>J</b>	Type J (Fe-CuNi)
<b>N</b>	Type N (NiCrSi-NiSi)
<b>E</b>	Type E (NiCr-CuNi)
<b>T</b>	Type T (Cu-CuNi)
<b>R</b>	Type R (Pt-13%Rh/Pt)
<b>S</b>	Type S (Pt-10%Rh/Pt)
<b>B</b>	Type B (Pt/30%Rh-Pt/6%Rh)

## 2. ELEMENT TYPE

<b>X6</b>	Mineral insulated
<b>X7</b>	Element with ceramic insulator

## 3. ACCURACY

<b>P</b>	Standard
<b>Q</b>	Special

## 4. NO. OF SENSORS

<b>V</b>	Simplex
<b>W</b>	Duplex
<b>X</b>	Triplex

## 5. HOT JUNCTION

<b>G</b>	Grounded
<b>U</b>	Ungrounded

## 6. SHEATH MATERIAL

<b>MF</b>	AISI 316 SS
<b>MG</b>	AISI 316L SS
<b>ME</b>	AISI 310 SS
<b>MQ</b>	Inconel 600

## 7. SHEATH DIAMETER (for X6)

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

OR

## 7. SHEATH DIAMETER (for X7)

<b>W10</b>	10 AWG (2.588 mm)
<b>W14</b>	14 AWG (1.627 mm)
<b>W20</b>	20 AWG (0.811 mm)

## 8. HEAD ENCLSURE

<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 [EEx-d]

## 9. ENCLOSURE MATERIAL

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

## 10. 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.

## 11. PROTECTION TUBE MATERIAL

<b>MF</b>	AISI 316 SS
<b>MG</b>	AISI 316L SS
<b>ME</b>	AISI 310 SS
<b>MQ</b>	Inconel 600

## 12. PROTECTION TUBE

<b>U1</b>	Tube Ø10 x 1.5 mm THK
<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

## 13. PROCESS CONNECTION TYPE

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

## 14. 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)
<b>A25</b>	1.5" RF 150# as per ANSI B 16.5
<b>A26</b>	1.5" RF 300# as per ANSI B 16.5
<b>A27</b>	1.5" RF 600# as per ANSI B 16.5
<b>A31</b>	2" RF 150# as per ANSI B 16.5
<b>A32</b>	2" RF 300# as per ANSI B 16.5
<b>A33</b>	2" RF 600# as per ANSI B 16.5

### ORDERING CODES

#### 15. PROCESS CONNECTION MATERIAL

<b>MB</b>	ASTM A 105 (Carbon Steel)
<b>MC</b>	AISI 304 SS
<b>MF</b>	AISI 316 SS

#### 16. IMMERSION LENGTH (IL)

XXXXX 50 mm up to 25,000 mm

OR

#### 16. TOTAL LENGTH (TL)

XXXXX 50 mm up to 25,000 mm

#### 17. EXTENSION LENGTH (XL)

XXX 50 mm up to 250 mm

**MB**

**150**

**250**

**100**

#### 18. OTHER OPTIONS

<b>TB</b>	Calibration Certificate
<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

**XX**

**Ordering Example : T304-K-P-V-U-MF-M60-BZ-ML-C0-MF-U5-KW-15N-MB-150/250-100**

#### NOTES:

1. Other sheath diameters, connections are available, please contact factory for details.
2. WP = Weatherproof, FP = Flame proof, SC = Single Compression, DC = Double Compression, CE = Cable Entry
3. Transmitter output shall be 4...20 mA as standard, any other output required, please contact factory for details.