

FEATURES

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

APPLICATION

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

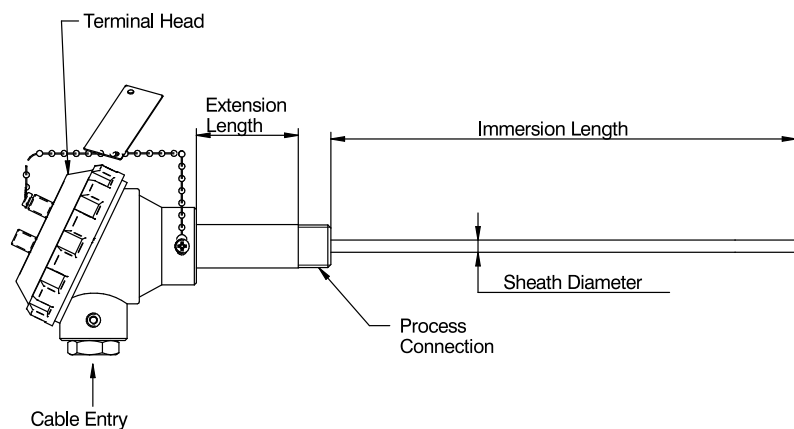
Nipple Extension Type



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 | : | 300 mm |
| Process connection | : | 1/2"NPT(M) |

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 |
|------------|--------------|------------|-----------|

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 |
|-----------|-------------|-----------|--------------|

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 [EEx-d] |

7. ENCLOSURE MATERIAL

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

8. CABLE ENTRY

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

9. HEAD EXTENSION

| | |
|-----------|--------------------------------|
| N0 | Nipple assembly in ASTM A 105 |
| N1 | Nipple assembly in AISI 304 SS |
| N2 | Nipple assembly in AISI 316 SS |

10. HEAD EXTENSION LENGTH (XL)

| | |
|------------|--------------------|
| XXX | 50 mm up to 250 mm |
|------------|--------------------|

11. IMMERSION LENGTH (IL)

| | |
|--------------|-----------------------|
| XXXXX | 50 mm up to 10,000 mm |
|--------------|-----------------------|

12. PROCESS CONNECTION

| | |
|------------|------------------|
| 14N | 1/2" NPT (M) |
| 14B | 1/2" BSP (M) |
| 15N | 3/4" NPT (M) |
| 15B | 3/4" BSP (M) |
| 14M | M20 X 1.5 mm (M) |

13. OTHER OPTIONS

| | |
|-----------|----------------------------------|
| TB | Calibration Certificate |
| 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 : R101-1-97C-C-MF-M60-BZ-ML-C0-N0-XX-XXXXX-14N

NOTES:

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.