

FEATURES

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

APPLICATION

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

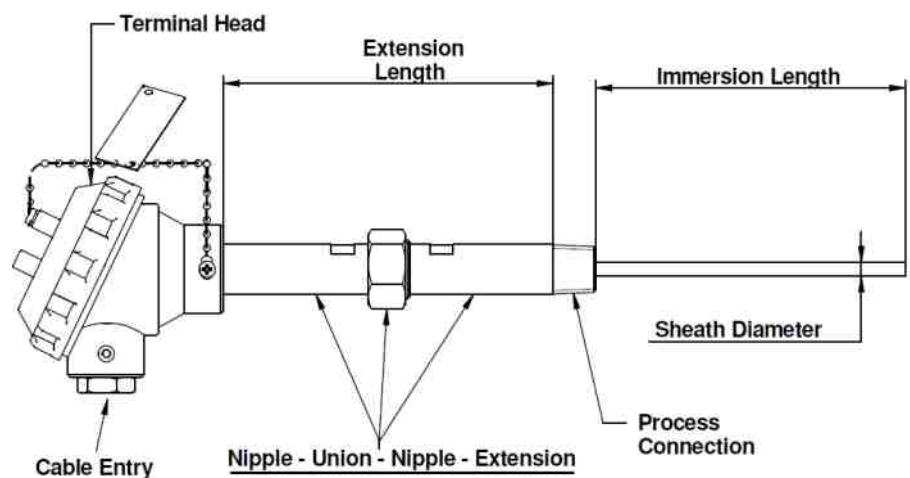
Nipple-Union-Nipple Type



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	:	NUN assembly in ASTM A105 (Cadmium plated)
Head extension length	:	150 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
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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 [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

N5	NUN assembly in ASTM A 105
N6	NUN assembly in AISI 304 SS
N7	NUN assembly in AISI 316 SS

10. HEAD EXTENSION LENGTH (XL)

XXX	50 mm up to 250 mm
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11. IMMERSION LENGTH (IL)

XXXXX	50 mm up to 10,000 mm
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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 : R102-1-97C-C-MF-M60-BZ-ML-C0-N5-XX-XXXXX-14N

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.
- NUN assembly in ASTM A105 is provided with Cd plating.