

Special Features :

- Mineral Insulated with compact MgO Powder.
- Spring loaded design.
- Exchangeable Insert.
- Available in Various Connections & sheath diameter.
- Nipple Extension & N-U-N Extension Connection.
- Standard followed in general IEC - 751 / DIN 43760.

Applications :

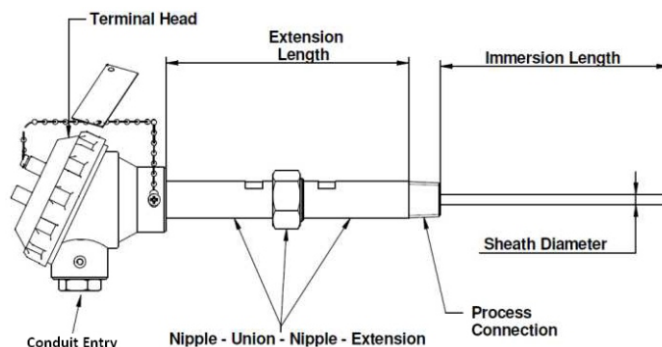
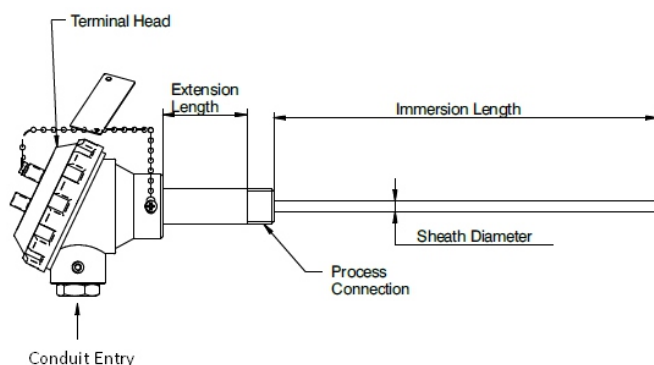
- Oil & Gas Industries
- Chemical & Petrochemical Industries
- Water & waste-water Treatment
- Power & Utilities

Specifications

STANDARD VERSION

| | |
|-------------------------|--|
| No. Of Element | : Simplex |
| Element Type | : PT-100 RTD |
| Range | : -200°C till 400°C |
| Accuracy | : Class 'B' Tolerance as per IEC-751 / DIN 43760 |
| Wire Configuration | : 3 Wire |
| Sheath Diameter | : 6.0mm |
| Sheath Material | : AISI 316 SS |
| Head Enclosure | : Weather Proof IP 65 |
| Enclosure Material | : Die-Cast Aluminum |
| Number of Conduit Entry | : Single Entry |
| Conduit Entry Size | : ¾" ET(F) |
| Head Extension Type | : Nipple Assembly in ASTM A105 (Cadmium Plated) |
| Head Extension Length | : 100mm |
| Immersion Length | : 300mm |
| Process Connection | : ½" BSP(M) |

Dimensional Details :



Note: Drawings are not to scale. All Dimensions are in mm.

SELECTION OF MODEL

(1) MODEL CODE

RTD01

(2) NO OF ELEMENT

S

| | |
|---------------------------------|---|
| SIMPLEX | S |
| DUPLEX (Above Sheath Dia. 5mm) | D |

(3) ELEMENT

PT01

| | |
|-------------|------|
| PT-100 RTD | PT01 |
| PT-500 RTD | PT05 |
| PT-1000 RTD | PT10 |

(4) WIRE CONFIGURATION

3

| | |
|--------|---|
| 2 WIRE | 2 |
| 3 WIRE | 3 |
| 4 WIRE | 4 |

(5) WIRE CONFIGURATION

6

| | |
|-------|-----|
| 3.0mm | 3.0 |
| 4.5mm | 4.5 |
| 6.0mm | 6.0 |
| 8.0mm | 8.0 |

(6) HEAD ENCLOSURE

W1

| | |
|---|----|
| Weather Proof IP 65 | W1 |
| Weather Proof IP 67 | W2 |
| Screwed type, Flame Proof IP 67, GR. IIA, IIB | FP |
| Screwed type, Explosion Proof IP 67, Gr. IIC | EP |

(7) ENCLOSURE MATERIAL

DA

| | |
|-------------------|----|
| Die-cast Aluminum | DA |
| AISI 304 SS | S4 |
| AISI 316 SS | S6 |

(8) NO. OF CONDUIT ENTRY

1

| | |
|--------------|---|
| Single Entry | 1 |
| Double Entry | 2 |

(9) CONDUIT ENTRY SIZE

3ET

| | |
|----------------|-----|
| ¾" ET(F) | 3ET |
| ½"NPT(F) | 4NF |
| M20 x 1.5mm(F) | 4MM |

(10) HEAD EXTENSION TYPE

FX

| | |
|---|----|
| Head with Nipple Extension | NE |
| Head with Nipple Union Extension | NU |
| Head with Nipple Union Nipple Extension | NN |

(11) IMMERSION LENGTH / ELEMENT LENGTH

300mm

PLEASE SPECIFY IN MM

SELECTION OF MODEL

(12) PROCESS CONNECTION

| | |
|--------------|-----|
| 1/2" NPT(M) | 4NM |
| 1/2" BSP(M) | 4BM |
| 3/4" NPT(M) | 5NM |
| 3/4" BSP(M) | 5BM |
| M20x1.5mm(M) | 4MM |

(13) OPTIONS

| | |
|--------------------------------------|----|
| Accuracy - Class "A" as per Standard | AA |
| Calibration Certificate | CC |
| SS Tag Plate | TS |
| S.C. Cable Gland in Ni-Brass - WP | 01 |
| D.C. Cable Gland in Ni-Brass - WP | 02 |
| S.C. Cable Gland in SS 304 - WP | 03 |
| D.C. Cable Gland in SS 304 - WP | 04 |
| S.C. Cable Gland in SS 316 - WP | 05 |
| D.C. Cable Gland in SS 316 - WP | 06 |
| S.C. Cable Gland in Ni-Brass - FP | 07 |
| D.C. Cable Gland in Ni-Brass - FP | 08 |
| S.C. Cable Gland in SS 304 - FP | 09 |
| D.C. Cable Gland in SS 304 - FP | 10 |
| S.C. Cable Gland in SS 316 - FP | 11 |
| D.C. Cable Gland in SS 316 - WP | 12 |

| | |
|--|----|
| Plug for Conduit Entry in SS 304 | 13 |
| Plug for Conduit Entry in SS 316 | 14 |
| SS Base Plate for Transmitter | 15 |
| Head Mounted Transmitter (4-20mA) | 16 |
| Head with Nipple Extension 50mm in CS | 17 |
| Head with Nipple Extension 50mm in SS 304 | 18 |
| Head with Nipple Extension 50mm in SS 316 | 19 |
| Head with Nipple Extension 100mm in CS | 20 |
| Head with Nipple Extension 100mm in SS 304 | 21 |
| Head with Nipple Extension 100mm in SS 316 | 22 |
| Head with Nipple Extension 150mm in CS | 23 |
| Head with Nipple Extension 150mm in SS 304 | 24 |
| Head with Nipple Extension 150mm in SS 316 | 25 |

| Example | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--------------------|-------|---|-----|---|---|----|----|---|-----|
| SELECTION OF MODEL | RTD01 | S | PT1 | 3 | 6 | W1 | DA | 1 | 3ET |

| Example | 10 | 11 | 12 | 13 |
|--------------------|----|-------|-----|----|
| SELECTION OF MODEL | FX | 300mm | 4BM | XX |

Note:

1. When Selecting Option "CC", Please also specify 3 diff. temp. Points at which calibration is to be carried out.

2. Explanation of Abbreviations used.

S.C. - Single Compression

D.C. - Double Compression

WP - Weather Proof

SS - Stainless Steel

FP - Flame Proof

CS - Carbon Steel

3. Other Sheath diameters, Materials and Connections are available, Please consult factory for more detail.

4BM

XX

NESSTECH INC.

INTERNATIONAL SALES DEPARTMENT

1-12-1 Akanehama, Narashino-shi, Chiba
275-0024, JAPAN

PHONE +81-47-453-1182

F A X +81-47-453-0727

■ NESSTECH INSTRUMENTS PVT. LTD (INDIA)

Survey No. 26/2, "G" Type, Global Industrial Park,
Near Nahuli Railwaycrossing, Village Valvada, Vapi,
Tal Umbergaon, Dist Valsad-396191, Gujrat

TEL: +91-260-299-6920

■ NESS TECHNOLOGY (M) SDN BHD (MALAYSIA)

No. 42A Jalan PUJ 3/8, Taman Puncak Jalil, Bandar Putra Permai,
43300 Seri Kembangan, Selangor

TEL: +603-8940-1134/8940-1059 FAX: +603-8999-4133