

Special Features :

- Mineral Insulation enables flexibility and Durability.
- Spring loaded design.
- Exchangeable Insert.
- Available in Various Connections & sheath diameter.
- Nipple Extension & N-U-N Extension Connection.
- Standard followed in general IEC - 584.2 / ANSI MC - 96.1

Applications :

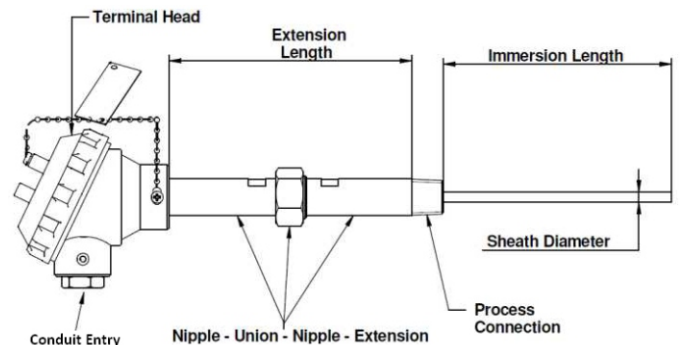
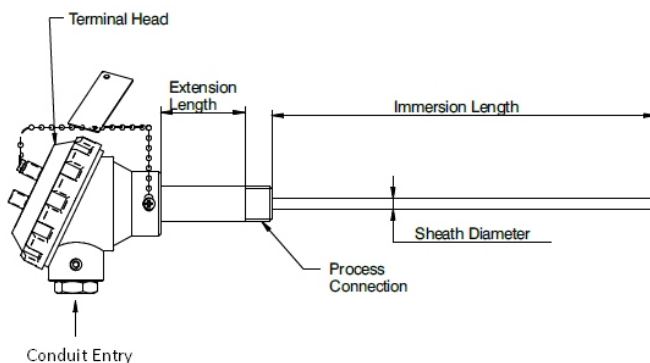
- Oil & Gas Industries
- Chemical & Petrochemical Industries
- Water & waste-water Treatment
- Power & Utilities

Specifications

STANDARD VERSION

No. Of Element	: Simplex
Element Type	: Type K (NiCr-Ni)
Accuracy	: Class '2' Tolerance as per IEC - 584.2 / ANSI MC - 96.1
Hot Junction Type	: Ungrounded Junction
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	: 150mm
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

(2) NO OF ELEMENT

SIMPLEX	S
DUPLEX (Above Sheath Dia. 3mm)	D

(3) ELEMENT

Type K (NiCr-Ni)	K
Type J (Fe-CuNi)	J
Type N (NiCrSi-NiSi)	N
Type E (NiCr-CuNi)	E

Type T (Cu-CuNi)	T
Type R (Pt-13%Rh/Pt)	R
Type S (Pt-10%Rh/Pt)	S
Type B (Pt/30%Rh-Pt/6%Rh)	B

(4) HOT JUNCTION TYPE

Grounded	G
Ungrounded	U

(5) SHEATH MATERIAL

AISI 316 SS	S6
AISI 316L SS	S6L
AISI 310 SS	S10
INCONEL 600	IN

(6) SHEATH DIAMETER

3.0mm	3.0
4.5mm	4.5
6.0mm	6.0
8.0mm	8.0

(7) HEAD ENCLOSURE

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
Hinged type, Weather Proof IP 67	HT
Weather Proof IP 65, Cover Fitted with 2 screws	BT

(8) ENCLOSURE MATERIAL

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

(9) NO. OF CONDUIT ENTRY

Single Entry	1
Double Entry	2

(10) CONDUIT ENTRY SIZE

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

(11) HEAD EXTENSION TYPE

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

TC01

S

K

U

S6

6

W1

DA

1

3ET

NE

SELECTION OF MODEL

(12) HEAD EXTENSION LENGTH

PLEASE SPECIFY IN mm

(13) IMMERSION LENGTH

PLEASE SPECIFY IN mm

(14) PROCESS CONNECTION

½" NPT(M)	4NM
½" BSP(M)	4BM
¾" NPT(M)	5NM
¾" BSP(M)	5BM
M20x1.5mm(M)	4MM

(15) OPTIONS

Accuracy - Class "1" as per Standard	A1
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 - FP	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	TC01	S	K	U	S6	6	W1	DA	1

Example	10	11	12	13	14	15
SELECTION OF MODEL	3ET	NE	150mm	300mm	4NM	XX

Note:

- When Selecting Option "CC", Please also specify temp. Points at which calibration is to be carried out.
- Explanation of Abbreviations used.
 S.C. - Single Compression SS - Stainless Steel WP - Weather Proof
 D.C. - Double Compression FP - Flame Proof CS - Carbon Steel
- Other Sheath diameters, Materials and Connections are available, Please consult factory for more detail.

150mm

300mm

4NM

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