

#### Special Features :

- Mineral Insulation enables Thermocouples to be used at Higher Temperature.
- Thermocouple with adjustable process connection for adjustable insertion length.
- Available in Various standard Sheath diameters and Sheath materials.
- Cold end termination will be with Plug and Jack connector for quick disconnection type application.
- Standard followed in general IEC - 584.2 / ANSI MC - 96.1

#### Applications :

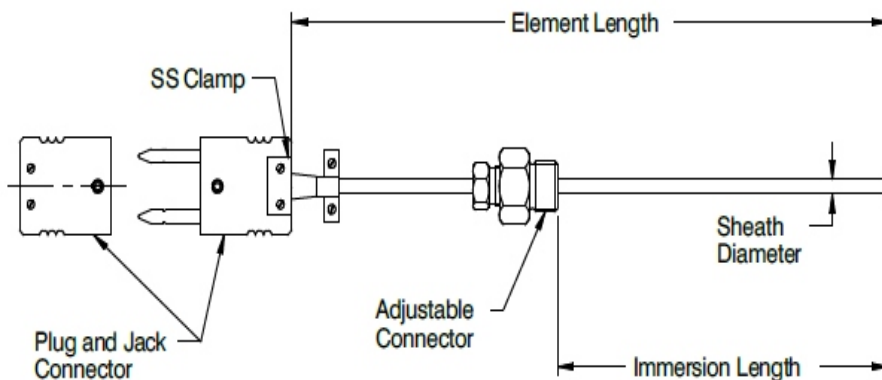
- Reactor Application
- Nuclear Power
- Steel & Power

#### 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
Element Length	: 300mm
Cold End Termination	: Standard Plug & Jack Connector
Process Connection	: 1/2" NPT(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

TC04

S

# SELECTION OF MODEL

## (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

## (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) COLD END TERMINATION

Standard Plug & Jack Connector	P1
Miniature Plug & Jack Connector	P2
Standard Omega Plug & Jack Connector	P3
Miniature Omega Plug & Jack Connector	P4
High Temp. Standard Omega Plug & Jack Connector	P5
High Temp. Miniature Omega Plug & Jack Connector	P6

## (8) ELEMENT LENGTH

PLEASE SPECIFY IN mm

## (9) PROCESS CONNECTION

1/2" NPT(M)	4NM
1/2" BSP(M)	4BM
3/4" NPT(M)	5NM
3/4" BSP(M)	5BM

NOTE : Other connections are available on request.

K

U

S6

6

P1

300mm

4NM

# SELECTION OF MODEL

## (10) OPTIONS

XX

Accuracy - Class "1" as per Standard	A1
Calibration Certificate	CC
SS Tag Plate	TS

Example	1	2	3	4	5	6	7	8	9
SELECTION OF MODEL	TC04	S	K	U	S6	6	P1	300mm	4NM

Example	10
SELECTION OF MODEL	XX

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