



## Application :

Such design is generally used in general industry, machinery manufactures, bearing temperature measurement etc.

## Standard Product Details

No of Elements	Simplex
Element Type	Chrome-Alumel
Accuracy	Class 2 as per IEC - 584.2
Hot Junction Type	Ungrounded Junction
Sheath Diameter	6.0 mm
Sheath Material	SS 316
Terminal Head Type	Screwed type, weatherproof, IP-65 in die-cast Aluminium
No. Of Conduit Entries	One
Conduit Entry Size	3/4" ET(F)
Head Extension Type	Adjustable threaded connction
Immersion Length "L" mm	300 mm
Process Connection "P"	1/2" NPT(M)
Option Description	S.C. cable gland in Nickel plated brass

## How to Order:

Code	No. Of Elements
S	Simplex
D	Duplex
T	Triplex

Code	Element Type
J	Iron-Constantan
K	Chrome-Alumel
T	Copper-Constantan
E	Chromel-Constantan
R	Plat. 13% Rhod. - Plat.
S	Plat. 10% Rhod. - Plat.
B	Plat. 6% Rhod. - Plat. 30% Rhod.
N	Nicrosil - Nilil

## Special Features :

- ★ Mineral insulation.
- ★ Spring loaded design for positive contact.
- ★ Available in all sheath diameters and sheath material.
- ★ Mineral insulation enables Thermocouples to be used at high temperature.
- ★ Enclosures in all material - Die cast Aluminium / Cast Iron / SS 304 / SS 316
- ★ Enclosures in all categories (Weatherproof, IP-65 to IP- 68), Flameproof GR. IIA IIB and Explosionproof, GR. IIA, IIB, IIC for H<sub>2</sub>service application.

Code	Accuracy
1	Class 1 as per IEC - 584.2
2	Class 2 as per IEC - 584.2

Code	Hot Junction Type
G	Grounded Junction
UG	Ungrounded Junction

**THERMOCOUPLE ASSEMBLY WITH ADJUSTABLE THREADED CONNECTION**

**TC1**

Code	Sheath Diameter
3	3.0 mm
4.5	4.5 mm
6	6.0 mm
8	8.0 mm
Consult factory for other size.	

Code	Sheath Material
S6	SS 316
S10	SS 310
2NC6	Inconel 600
INC8	Incolloy 800

Code	Terminal Head Type
SWP	Screwed type, weatherproof, IP-65 in die-cast Aluminium
SFP	Screwed type, weatherproof Gr. IIA IIB in die-cast Aluminium
SEP	Screwed type, explosionproof Gr.IIC in die-cast Aluminium
HWP	Hinged type, weatherproof, IP-65 in die-cast Aluminium
JWP	Junction box, weatherproof, IP-65 in die-cast Aluminium
JFP	Junction box, weatherproof Gr. IIA IIB in die-cast Aluminium
JEP	Junction box, explosionproof Gr.IIC in die-cast Aluminium
BWP	Weatherproof Head, IP-65 in die-cast Aluminium with cover fitted with two screws.

Code	No. Of Conduit Entry/Entries
1	One
2	Two
	Other, Please Specify

Code	Conduit Entry Size
A	3/4" ET(F)
B	1/2"NPT(F)
C	3/4"NPT(F)
	Other, Please Specify

Code	Head Extension Type
AC	Adjustable threaded connector

Code	Immersion Length 'IL' / Element Length 'L' mm
	Specify in mm.

Code	Process conn. "P"
15NM	½"NPT(M)
15BM	½"BSP(M)
20NM	¾"NPT(M)
20BM	¾"BSP(M)
	Other, Please Specify

Code	Option Description
0	None
3	Terminal head in SS 304
4	Terminal head in SS 316
5	Terminal head in Cast Iron
6	S.C. cable gland in nickel plated brass
7	D.C. cable gland in nickel plated brass
8	S.C. cable gland in SS 304
9	D.C. cable gland in SS 304
11	S.C. cable gland in SS 316
12	D.C. cable gland in SS 316
13	Head mounted temp. transmitter
14	S.S. base plate suitable for Temperature Transmitter mounting
20	Plug for conduit entry in Carbon Steel [ASTM A105]
21	Plug for conduit entry in SS 304
22	Plug for conduit entry in SS 316
23	Plug for conduit entry in Aluminium
PW	Five Point Factory Calibration Certificate
SX	SS Tag Plate

**Note :**

1. When selecting option "PW", please also specify measuring temperature range. (For e.g. 0/300°C)

2. Explanations of Abbreviations used:

- SC = Single Compression
- DC = Double Compression
- SS = Stainless Steel

(Ordering Example)

TC1	S	K	2	UG	6	S6	SWP	1	A	AC	L = 300	15BM	6
	1	2	3	4	5	6	7	8	9	10	11	12	13