



### Special Features

- Mineral insulation
- Various hot arm and cold arm material combinations are available
- Transmitter output 4 - 20mA (Optional)
- Reference standard :- IEC - 584.2 / ANSI MC - 96.1

### Application

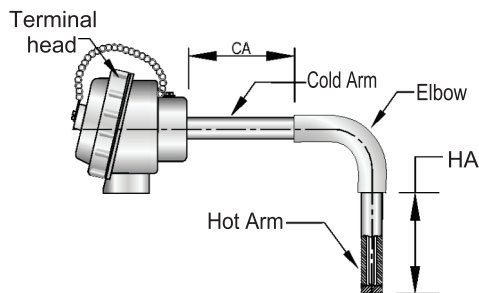
- Furnace temperature measurement and similar applications

### Specifications

#### Standard Version

Thermocouple type	:	Mineral insulated metal sheathed
No of elements	:	Simplex
Elements	:	Chromel - Alumel (K type)
Hot junction type	:	Ungrounded junction
Accuracy	:	Class 2 as per
	:	IEC - 584.2 / ANSI MC - 96.1
Sheath diameter	:	6.0 mm
Sheath material	:	SS 316
Terminal head type	:	Screwed type, weatherproof,
	:	IP-67 in Die Cast Aluminum
No of conduit entry	:	One
Conduit entry size	:	3/4" ET(F)
Hot arm material	:	Inconel 600
Cold arm material	:	Galvanized iron
Hot / cold arm size	:	1/2" Sch. 40 pipe
Hot arm length	:	400 mm
Cold arm length	:	300 mm
Tag plate	:	SS tag plate

### Dimensional Details



Notes : • Drawings are not to scale.  
• All Dimensions are in mm.

### How To Order

### Example

#### Basic model

#### Optional Extras

(Select if you required options other than standard product details)

#### Thermocouple Type

1 MI Cable

#### No. of Elements

1 Simplex (Std.)

2 Duplex

#### Element Type

J Iron-Constantan

E Chromel-Constantan

T Copper-Constantan

K Chromel-Alumel (Std.)

#### Hot Junction Type

G Grounded Junction

UG Un-Grounded Junction (Std.)

#### Accuracy

1 Class 1 as per IEC - 584.2 / ANSI MC - 96.1

2 Class 2 as per IEC - 584.2 / ANSI MC - 96.1 (Std.)

#### Sheath Diameter

3 3.0 mm

6 6.0 mm (Std.)

4.5 4.5 mm

8 8.0 mm Others, Please specify.

12 12.7 mm

\* Applicable for Simplex Elements only.

#### Sheath Material

1 SS 316 (Std.)

3 SS 310

2 SS 316L

6 Inconel 600

How To Order				Example		
<b>Terminal Head Type</b>						
<b>F</b>	Screwed type, Flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum	<b>C</b>	Screwed Type, Weatherproof, IP-68 in Die Cast Aluminum	X		
<b>E</b>	Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum	<b>3</b>	Terminal head in SS 304 - WP, IP-67			
<b>H</b>	Hinged type, Weatherproof, IP-67 in Die Cast Aluminum	<b>4</b>	Terminal head in SS 316 - WP, IP-67			
<b>B</b>	Weatherproof Head, IP-67 in Die-cast Aluminum					
<b>A</b>	Screwed type, weatherproof, IP-65 in Die Cast Aluminum		* For other option contact factory			
<b>No of Conduit Entry / Entries</b>						
<b>1</b>	One (Std.)	<b>2</b>	Two	X		
<b>Conduit Entry Size</b>						
<b>A</b>	3/4" ET (F) (Std.)	<b>B</b>	1/2" NPT (F)	X		
<b>C</b>	3/4" NPT(F) other, please specify					
<b>Hot Arm Material</b>						
<b>6</b>	Inconel 600	<b>3</b>	SS 310	<b>4</b>	SS 446	X
<b>Cold Arm Material</b>						
<b>1</b>	SS 316	<b>3</b>	SS 310	<b>4</b>	SS 446	X
<b>Hot / Cold Arm Size</b>						
<b>P1</b>	1/2" Sch. 40, SS 316 Other, please specify	<b>P4</b>	3/4" Sch. 80, SS 316 Other, please specify			XX
<b>Hot Arm Length</b>						
HA - Specify in mm.						400 mm
<b>Cold Arm Length</b>						
CA - Specify in mm.						300 mm
<b>Other Options</b>						
<b>13</b>	Head mounted Temperature transmitter(4-20 mA)				XX	
<b>14</b>	SS Base plate suitable for temperature transmitter					
<b>21</b>	Plug for conduit entry in carbon steel					
<b>22</b>	Plug for conduit entry in SS 304					
<b>23</b>	Plug for conduit entry in SS 316					
<b>32</b>	S. C. cable gland in Nickel plated Brass - WP					
<b>33</b>	D. C. cable gland in Nickel plated Brass - WP					
<b>34</b>	S. C. cable gland in SS 304 - WP					
<b>35</b>	D. C. cable gland in SS 304 - WP					
<b>36</b>	S. C. cable gland in SS 316 - WP					
<b>37</b>	D. C. cable gland in SS 316 - WP					
<b>39</b>	D. C. cable gland in Nickel plated Brass - FLP					
<b>41</b>	D. C. cable gland in SS 304 - FLP					
<b>43</b>	D. C. cable gland in SS 316 - FLP					
<b>44</b>	Plug for conduit entry in AL					
<b>45</b>	D. C. cable gland in Nickel plated brass-Ex proof					
<b>46</b>	D. C. cable gland in SS304--Ex proof					
<b>47</b>	D. C. cable gland in SS316--Ex proof					
<b>FC</b>	Fixed Threaded Connection					
<b>AC</b>	Adjustable Threaded Connection					
<b>PW</b>	Calibration Certificate					
<b>SX</b>	SS Tag Plate					

**Note :**

- When selecting option "PW", please also specify temp. Points at which calibration is to be carried out .
- Explanations of Abbreviations used:
  - SC = Single Compression    SS = Stainless Steel
  - DC = Double Compression    FLP = Flameproof
  - WP = Weatherproof

**Ordering Example :**
**T03 . X . X . X . X . X . X . X . X . X . X . XX . 400mm . 300mm . XX**

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing .  
Modifications may take place and materials specified may be replaced by others without prior notice.