



Special Features

- Mineral insulation enables flexibility and durability
- Available in various process connections & sheath diameters
- Enclosures Junction Box
 - Weatherproof IP - 67
 - Flameproof Gr. IIA, IIB
 - Explosion proof IIA, IIB, II C
- Reference standard : IEC - 584.2 / ANSI MC - 96.1

Application

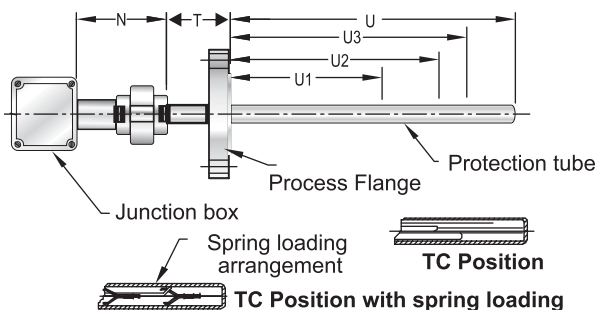
- These assemblies are find application in Refinery and Petrochemical plants which includes catalytic crackers, lime kilns, distillation columns & pressurized reactor vessels.

Specification

Standard Version

Thermocouple type	: Mineral insulated metal Sheathed
No of elements	: Simplex
Accuracy	: Class 2 as per IEC - 584.2 / ANSI MC - 96.1
Element type	: Chromel - Alumel (K type)
No of points	: Three
Hot junction type	: Ungrounded junction
Sheath Diameter for MI thermocouple	: 3 mm
Sheath material	: SS 316
Junction box type	: Weatherproof, IP 67 in Die Cast Aluminum
No of conduit entries	: One
Conduit entry size	: 3/4" ET(F)
Junction box extension type	: Junction box with Nipple Union of CS
Protecting tube material	: SS 316
Protecting tube size	: 1/2" Sch. 40
Flange material	: SS 316
Flange type / size	: 1 1/2" 150# RF
Insertion length	: U = 1500 mm
TC point location (mm)	: Example :U1 = 500, U2 = 750, U3 = 1350
Extension length "T"mm	: 150 mm
Junction box extension	
Length "N"mm	: 200 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		T06
Optional Extras		
(Select if you required options other than standard product details)		
Thermocouple Type		
MI Mineral insulated metal sheathed		X
No of Element		
1 Simplex (Std.) 2 Duplex (Above sheath dia. 3 mm)		X
Accuracy		
1 Class 1 as per IEC - 584.2 / ANSI MC - 96.1		X
2 Class 2 as per IEC - 584.2 / ANSI MC - 96.1		
Element Type		
K Chromel-Alumel		
J Iron-Constantan		
T Copper-Constantan		
E Chromel-Constantan		X
N Nicrosil - Nisil		
No of Points*		
1 1 Thermocouple		
2 2 Thermocouples		
4 4 Thermocouples		X
5 5 Thermocouples		
6 6 Thermocouples		
9 9 Thermocouples		
Other, Please Specify		
*As per customer requirement and Thermowell size will be changed		
Hot Junction Type		
G Grounded Junction UG Un-Grounded Junction		X
Sheath Diameter		
1 1.0 mm 4.5 4.5 mm		
1.5 1.5 mm 6 6.0 mm		X
2 2.0 mm 8 8.0 mm		
3 3.0 mm		
Consult factory for other size.		
Sheath Material		
1 SS 316 6 Inconel 600		X
3 SS 310		

How To Order				Example	How To Order				Example	
Junction Box Type					Other Options					
W	Weatherproof IP-67 Junction Box in Die Cast Aluminum				13	Head mounted Temperature transmitter(4-20 mA)				
F	Flameproof IP-67 Gr. IIA IIB Junction Box in Die Cast Aluminum			X OR XX	14	SS Base plate suitable for temperature transmitter				
E	Explosion proof IP-67 Gr. IIC Junction Box in Die Cast Aluminum				21	Plug for conduit entry in carbon steel				
	* For other options, contact factory.				22	Plug for conduit entry in SS 304				
No of Conduit Entry / Entries					23	Plug for conduit entry in SS 316				
1	One (Std.)	2	Two	X	32	S. C. cable gland in Nickel plated Brass - WP				
3	Three				33	D. C. cable gland in Nickel plated Brass - WP				
Conduit Entry Size					34	S. C. cable gland in SS 304 - WP			XX	
A	3/4" ET (F)				35	D. C. cable gland in SS 304 - WP				
B	1/2" NPT(F)			X	36	S. C. cable gland in SS 316 - WP				
C	3/4"NPT(F) other, please specify				37	D. C. cable gland in SS 316 - WP				
Junction Box Extension Type					39	D. C. cable gland in Nickel plated Brass - FLP				
F	With flexible hose		P	Protecting Tube	X	41	D. C. cable gland in SS 304 - FLP			
Protecting Tube Material					43	D. C. cable gland in SS 316 - FLP				
1	SS 316		4	SS 446	X	44	Plug for conduit entry in AL			
3	SS 310		6	Inconel 600		45	D. C. cable gland in Nickel plated brass-Ex proof			
Protecting Tube					46	D. C. cable gland in SS304--Ex proof				
	Size	OD in mm	Wall Thk. in mm		47	D. C. cable gland in SS316--Ex proof				
N4	1/2" Sch. 40	21.3	2.77		UC	Head with nipple union extension 100mm in CS				
N8	1/2" Sch. 80	21.3	3.74		U4	Head with nipple union extension 100mm in SS 304				
R4	1" Sch. 40	33.4	3.4		U6	Head with nipple union extension 100mm in SS 316				
R8	1" Sch. 80	33.4	4.5	XX	NC	Head with nipple union nipple extension 100mm in CS				
T4	1.5" Sch. 40	48.3	3.7		N4	Head with nipple union nipple extension 100mm in SS 304				
T8	1.5" Sch. 80	48.3	5.1		N6	Head with nipple union nipple extension 100mm in SS 316				
U4	2" Sch. 40	60.3	3.9		PW	Calibration certificate				
U8	2" Sch. 80	60.3	5.5							
Other, Please Specify					Note :					
Flange Type / Size					1. When selecting option "PW", please also specify temp. Points at which calibration is to be carried out .					
(As per ANSI B 16.5)*					2. Explanations of Abbreviations used:					
B09	1/2" 150 #	B21	1" 150 #			SC = Single Compression			SS = Stainless Steel	
B10	1/2" 300 #	B22	1" 300 #			DC = Double Compression			FLP = Flameproof	
B11	1/2" 600 #	B23	1" 600 #	XXX		WP = Weatherproof			Ex = Explosion proof	
B15	3/4" 150 #	B33	1 1/2" 150 #		Ordering Example :					
B16	3/4" 300 #	B34	1 1/2" 300 #		T06 . X . X . X . X . X . X . X . X . X OR XX . X . X . X . X . XX .					
B17	3/4" 600 #	B35	1 1/2" 600 #		XXX . U1 . =500mm/U2=750mm/U3=1350mm . 1500mm . 150 mm . 200mm . XX					
(* Please mention the flange face and flange finish) Please consult factory for other flanges.										
Multipoint Insertion Length										
U1, U2, U3...Specify in mm.				U1=500 mm U2=750 mm U3=1350 mm						
Insertion Length										
U- Specify in mm.				1500 mm						
Head Extension type										
U	Head with nipple union extension									
N	Head with nipple union nipple extension			X						
Flexible Hose Length (If applicable)										
F - Specify in mm				200 mm						

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.