



Special Features

- Mineral insulated cable.
- Available in various connections & sheath diameters
- Enclosures (Head)
 - Weatherproof IP - 67
 - Flameproof Gr. IIA, IIB
 - Explosion proof IIA, IIB, II C
- Transmitter output 4 - 20 mA (Optional)
- Reference Standard : IEC - 751 / DIN 43760

Application

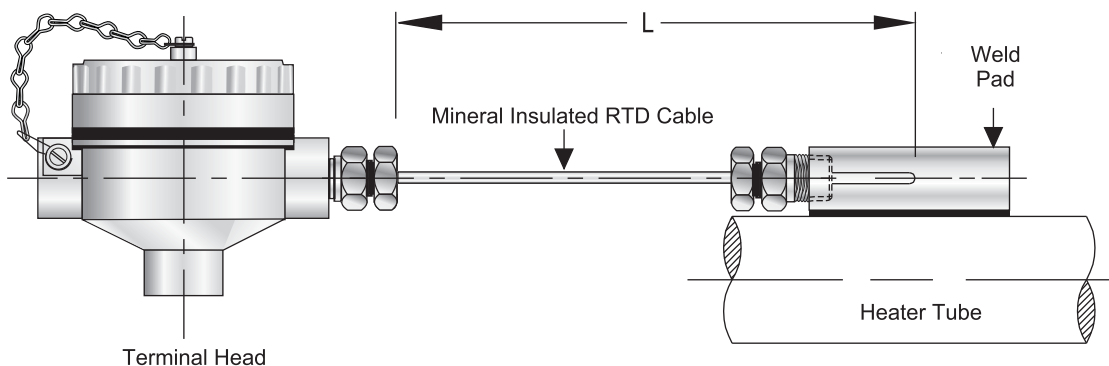
- This design is specifically used to measure skin temperature of heater tube or flat surface.
- Our thermocouple assembly will be with weld pad which will be directly welded on heater tube or flat surface.
- Curvature to weld pad will be provided as required by customer.
- Typical applications are measurement of surface temperature of refractory lined vessels, columns, reactors in petrochemical plants and oil refineries and pipelines.

Specifications

Standard Version

No of element	:	Simplex
Element type	:	Pt - 100
Range	:	-70 till 500°C
Accuracy	:	Class 'B' tolerance as per IEC - 751 / DIN 43760
Wire configuration	:	3 Wire system
Sheath diameter	:	6.0 mm
Sheath material	:	SS 316
Terminal head type	:	Screwed type, weatherproof, IP-65 in Die Cast Aluminum
No of conduit entry	:	Two
Conduit entry size	:	3/4" ET(F)
Mounting type	:	Bracket mounting for head
Weld pad size	:	50 x 25 x 25 mm
Weld pad type	:	Flat surface
Weld pad material	:	SS 316
Total length "L" mm	:	1000 mm.
Tag plate	:	SS Tag plate

Dimensional Details



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

How To Order		Example	How To Order		Example				
Basic Model		R04	Weld Pad Size (L x W x H)		X				
Optional Extras		X	1	50 x 25 x 25 mm (Standard)		3	100 x 50 x 50 mm		
No of Element			2	100 x 25 x 25 mm		Other, Please Specify			
1	Simplex (Standard)		2	Duplex	Round Integral Collar Size (OD x ID x Thk), SS 316				
Element Type		X	1	30 x 19 x 10 mm	3	50 x 19 x 10 mm	X		
P1	Pt- 100 (Standard)		2	40 x 19 x 10 mm	4	Not applicable			
P2	Pt- 500		Other, Please Specify						
P3	Pt - 1000		Weld Pad / Collar Material						
Range		X	1	SS 316 (Standard)	2	SS 310	X		
C	-70 till 500°C		Weld Pad Type						
Accuracy		X	Specify OD of pipe in mm				50 mm		
A	Class ‘A’ (-70 till 300°C) For any range beyond this, consult factory.		Total Length						
B	Class ‘B’ (Standard)	X	L - Specify in mm.				1000 mm		
Wire Configuration			Other Options						
2	2 Wire system		3	3 Wire system (Standard)	13			Head mounted Temperature transmitter(4-20 mA)	
4	4 Wire system	XX	Sheath Diameter		14	SS Base plate suitable for temperature transmitter			
03	3.0 mm*		06	6.0 mm (Standard)	21	Plug for conduit entry in carbon steel			
05	4.5 mm		08	8.0 mm	22	Plug for conduit entry in SS 304			
* For 3mm Sheath Dia Duplex can not be offered Up to 10mm OD MI cable and for above it protecting tube will be provided.				23	Plug for conduit entry in SS 316				
Sheath Material		X	1		SS 316 (Standard)	2	SS 316L	XX	
Terminal Head Type			F		Screwed type, Flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum				
E		Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum	X	H		Hinged type, Weatherproof, IP-67 in Die Cast Aluminum			
B		Weatherproof Head, IP-67 in Die-cast Aluminum		A		Screwed type, weatherproof, IP-65 in Die Cast Aluminum (Standard)			
3		Terminal head in SS 304 - WP, IP-67		4		Terminal head in SS 316 - WP, IP-67			
* For other option contact factory									
No of Conduit Entry / Entries		X		1	One entry (Standard)	X	2		Double entry
Conduit Entry Size				A	3/4" ET (Standard)		B		1/2" NPT(F)
Mounting Type		X		S	Surface Mounting For JB		B		Bracket Mounting For Head (Standard)
P				2"NB Pipe Mounting Bracket	L		Local Mounting Without Bracket		

Note :

1. When selecting option "PW", please also specify temp. Points at which calibration is to be carried out .

2. Explanations of Abbreviations used:

SC = Single Compression DC = Double Compression SS = Stainless Steel
 WP = Weatherproof FLP = Flameproof

Ordering Example : R04 . X . X . X . X . X . XX . X . X . X . X . X . X . X . X . 50mm . 1000mm . 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.