



Special Features

- Spring loaded design for positive contact with thermowell
- Available in various connections & sheath diameters
- Reference Standard : IEC - 751 / DIN 43760

Application

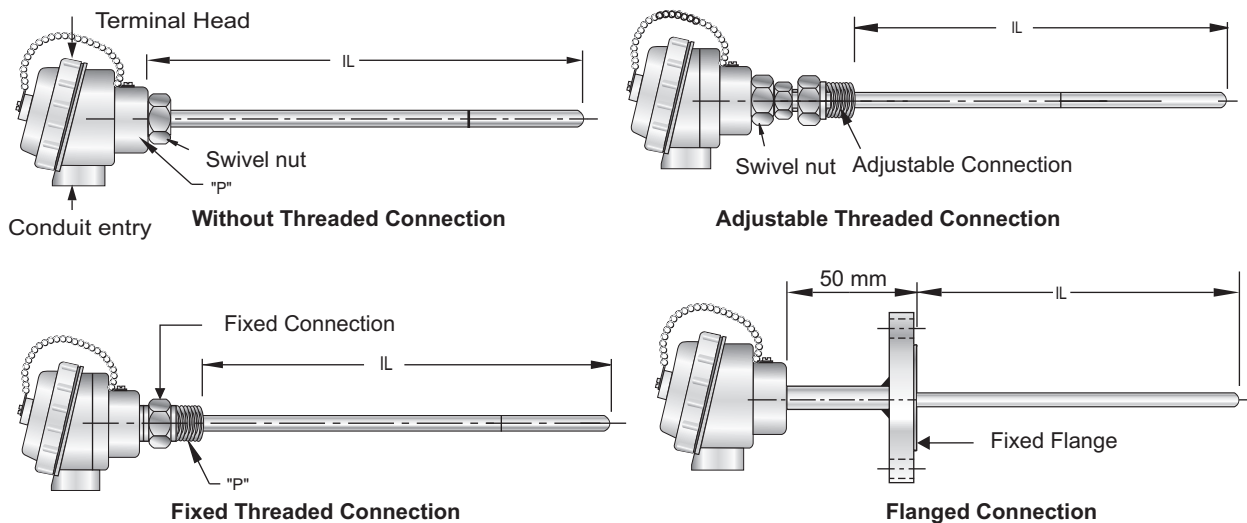
- Such assemblies are generally inserted in existing Thermowells / protection tubes
- This assembly can be provided with threaded connection and Thermowell

Specifications

Standard Version

No of element	: Simplex
Element type	: Pt - 100
Range	: -200°C till 450°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	: One
Cable Gland	: 3/4" ET, Nickel plated brass, Single Compression
Head Extension Type	: Without threaded connection
Immersion Length "IL" mm	: 300 mm
Tag Plate	: Aluminum Tag Plate

Dimensional Details



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

Dimensions - Standard Version

How To Order	Example	How To Order	Example
Basic Model	RTD1	Process Conn. "P", SS 316	
Optional Extras		2BM 1/4" BSP (M)# 4MM M20 x 1.5 (M)*	
No of Element		2NM 1/4" NPT (M)# 5NM 3/4" NPT (M)	XXX
1 Simplex (Standard)	X	4NM 1/2" NPT (M)* 5NF 3/4" NPT (F)	
2 Duplex		4BM 1/2" BSP(M)* 5BM 3/4" BSP (M)	
Elements Type		4NF 1/2" NPT (F)* 5BF 3/4" BSP (F)	
P1 Pt- 100 (Standard)			
P2 Pt- 500	XX		
P3 Pt - 1000			
Range		*Suitable sheath dia. 6, 8 & 10 mm	
C -200°C till 450°C	X	#Suitable sheath dia. for below 6 mm only.	
Accuracy		Flange connection - Refer flange table.	
A Class 'A'	X	(As per ANSI B 16.5)*	
B Class 'B' (Standard)		B09 1/2" 150 # B21 1" 150 # B39 2" 150 #	
Wire Configuration		B10 1/2" 300 # B22 1" 300 # B40 2" 300 #	XXX
2 2 Wire system 3 3 Wire system (Standard)	X	B11 1/2" 600 # B23 1" 600 # B41 2" 600 #	
4 4 Wire system		B15 3/4" 150 # B33 1 1/2" 150 # B51 3" 150 #	
Sheath Diameter		B16 3/4" 300 # B34 1 1/2" 300 # B52 3" 300 #	
03 3.0 mm 10 10.0 mm		B17 3/4" 600 # B35 1 1/2" 600 # B53 3" 600 #	
05 4.5 mm 12 12.0 mm	XX	(* Flanged connections applicable with sheath diameter of 12 mm, 16 mm & 1/2" Sch. 40 pipe only)	
06 6.0 mm (Standard) 16 16.0 mm		Please consult for other flanges.	
08 8.0 mm P4 1/2" Sch. 40		Other Options	
Sheath Material		21 Plug for conduit entry in carbon steel	
1 SS 316 (Standard)		22 Plug for conduit entry in SS 304	
2 SS 316L		23 Plug for conduit entry in SS 316	
Terminal Head Type		32 S. C. cable gland in Nickel plated Brass - WP	
F Screwed type, Flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum		33 D. C. cable gland in Nickel plated Brass - WP	
E Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum	X	34 S. C. cable gland in SS 304 - WP	XX
H Hinged type, Weatherproof, IP-67 in Die Cast Aluminum		35 D. C. cable gland in SS 304 - WP	
B Weatherproof Head, IP-67 in Die-cast Aluminum with cover fitted with two screws.		36 S. C. cable gland in SS 316 - WP	
A Screwed type, weatherproof, IP-65 in Die Cast Aluminum (Standard)		37 D. C. cable gland in SS 316 - WP	
3 Terminal head in SS 304 - WP, IP-67		38 S. C. cable gland in Nickel plated Brass - FLP	
4 Terminal head in SS 316 - WP, IP-67		39 D. C. cable gland in Nickel plated Brass - FLP	
5 Terminal head in cast iron, IP-65		40 S. C. cable gland in SS 304 - FLP	
No of Conduit Entry / Entries		41 D. C. cable gland in SS 304 - FLP	
1 One entry (Standard)	X	42 S. C. cable gland in SS 316 - FLP	
2 Double entry		43 D. C. cable gland in SS 316 - FLP	
Cable Gland		FC Fixed Threaded Connection	
A 3/4" ET (Standard) B 1/2" NPT(F)	X	AC Adjustable Threaded Connection	
Head Extension Type		PW Calibration Certificate	
FF Fixed Flange Connection		SX SS Tag Plate	
AF Adjustable Flange Connection	XX		
AC Adjustable connection		Note :	
FC Fixed connection		1. When selecting option "PW", please also specify temp. Points at which calibration is to be carried out .	
XX Without threaded connection (Standard)		2. Explanations of Abbreviations used:	
Immersion Length		SC = Single Compression SS = Stainless Steel	
IL - Specify in mm.	300 mm	DC = Double Compression FLP = Flameproof	
		WP = Weatherproof	
		Ordering Example :	
		RTD1 . X . XX . X . X . X . XX . X . X . X . XX . 300mm . XXX . XXX . 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.	