



Special Features

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

Application

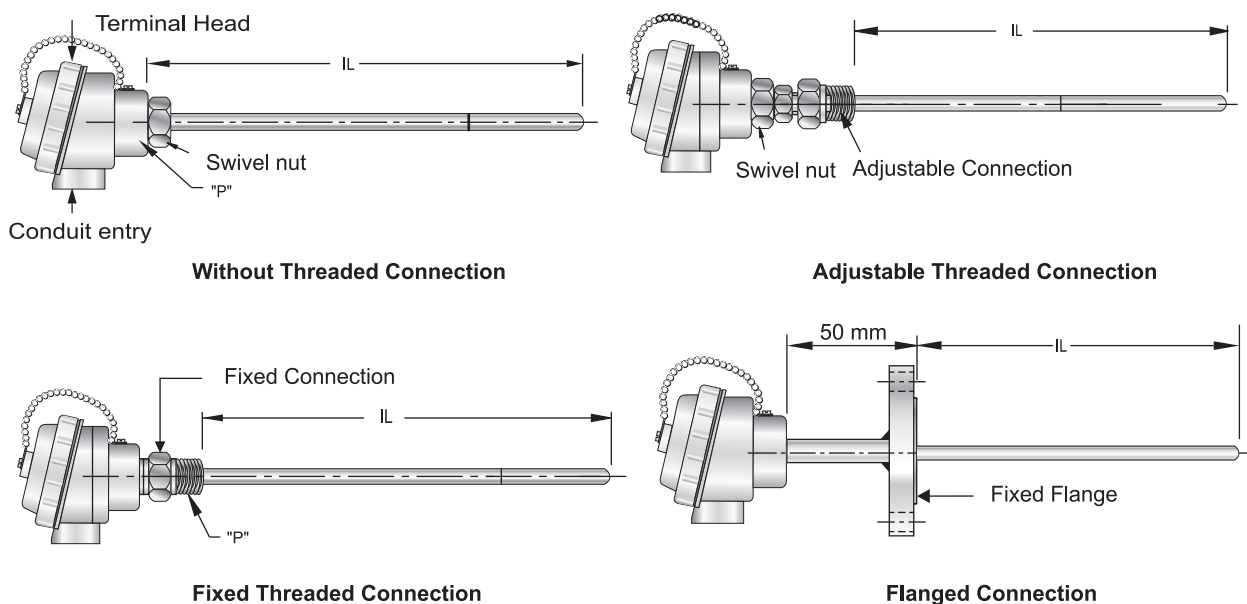
- Such assemblies are generally inserted in existing Thermowells / protection tubes
- This assembly can be provided with threaded connection and Thermowell

Specifications

Standard Version

No of element	: Simplex
Element type	: Pt - 100
Range	: -50°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, PVC PG 11 Cable Gland
Head Extension Type (Enclosure)	: Without threaded connection
Sheath Length mm	: 300 mm
Tag Plate	: Aluminum Tag Plate

Dimensional Details



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

How to Order	Example	Example
Basic Model	RTD1	
Optional Extras		
Elements Type		
P1 Pt- 100 (Standard)	XX	Head Extension Type FF Fixed Flange Connection AF Adjustable Flange Connection AC Adjustable Threaded connection FC Fixed Threaded connection XX Without threaded connection (Standard)
P2 Pt- 500		
P3 Pt - 1000		
Accuracy		
A Class 'A'	X	Process Connection. 2BM 1/4" BSP (M)# 4MM M20 x 1.5 (M)* 2NM 1/4" NPT (M)# 5NM 3/4" NPT (M) 4NM 1/2" NPT (M)* 5NF 3/4" NPT (F) 4BM 1/2" BSP(M)* 5BM 3/4" BSP (M) 4NF 1/2" NPT (F)* 6BM 1" BSP (M) 4BF 1/2" BSP (F)* 6NM 1" NPT (M)
B Class 'B' (Standard)		
No of Element		
1 Simplex (Standard)	X	*Suitable sheath dia. upto 12 mm #Suitable sheath dia. for 6 mm or Below 6mm only. Flange connection - Refer flange table. (As per ANSI B 16.5)*
2 Duplex		
Wire Configuration		
2 2 Wire system 3 3 Wire system (Standard)	X	or if Flange Conn.
4 4 Wire system		
Range		
N -200°C till 50°C C 0°C till 600°C	X	B09 1/2" 150 # B21 1" 150 # B39 2" 150 # B10 1/2" 300 # B22 1" 300 # B40 2" 300 # B11 1/2" 600 # B23 1" 600 # B41 2" 600 # B15 3/4" 150 # B33 1 1/2" 150 # B51 3" 150 # B16 3/4" 300 # B34 1 1/2" 300 # B52 3" 300 # B17 3/4" 600 # B35 1 1/2" 600 # B53 3" 600 #
S -50°C till 450°C (Std.)		
Sheath Diameter		
30 3.0 mm 12 12.0 mm	XX	(* Flanged connections applicable with sheath diameter of 12 mm, 16 mm & 1/2"Sch. 40 pipe only) Please consult for other flanges.
40 4.0 mm 15 15.0 mm		
50 5.0 mm 19 19.0 mm		
60 6.0 mm (Standard) 21 1/2" Sch. 40 (21.2mm)		
80 8.0 mm 25 25.0 mm		
10 10.0 mm		
Sheath Length (Consider Length Below Head)		
SL- Specify in mm.	300 mm	
Sheath / Connection Material		
4 SS 304 (Standard) L SS 316L	X	Other Options MIC RTD With MI Cable PLC Plug for conduit entry in carbon steel PL4 Plug for conduit entry in SS 304 PL6 Plug for conduit entry in SS 316 CG1 S. C. cable gland in Nickel plated Brass - WP CG2 D. C. cable gland in Nickel plated Brass - WP CG3 S. C. cable gland in Nickel plated Brass - FLP CG4 D. C. cable gland in Nickel plated Brass - FLP FPC Calibration Certificate STG SS Tag Plate
6 SS 316 T Titanium		
Terminal Head Type (Enclosure)		
A Screwed type, weatherproof, IP-65 in Die Cast Aluminum (Standard)	X	Note : 1. When selecting option "PW", please also specify temp. Points at which calibration is to be carried out . 2. Explanations of Abbreviations used: S.C. = Single Compression S.S. = Stainless Steel D.C. = Double Compression FLP = Flameproof WP = Weatherproof
B Weatherproof Head, IP-67 in Die-cast Aluminum with cover fitted with two screws.		
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		
P Screwed type, Weather Proof IP-68 Plastic Head		
No of Conduit Entry / Entries		
1 One entry (Standard)	X	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.
2 Double entry		
Cable Gland		
A 3/4" ET (Standard) B 1/2" NPT(F)	X	

Ordering Example : RTD1 . P1 . B . 1 . 3 . S . 60 . SL-300mm . 4 . A . 1 . A . FF . 4BM . XXX