



### Features

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

### Applications

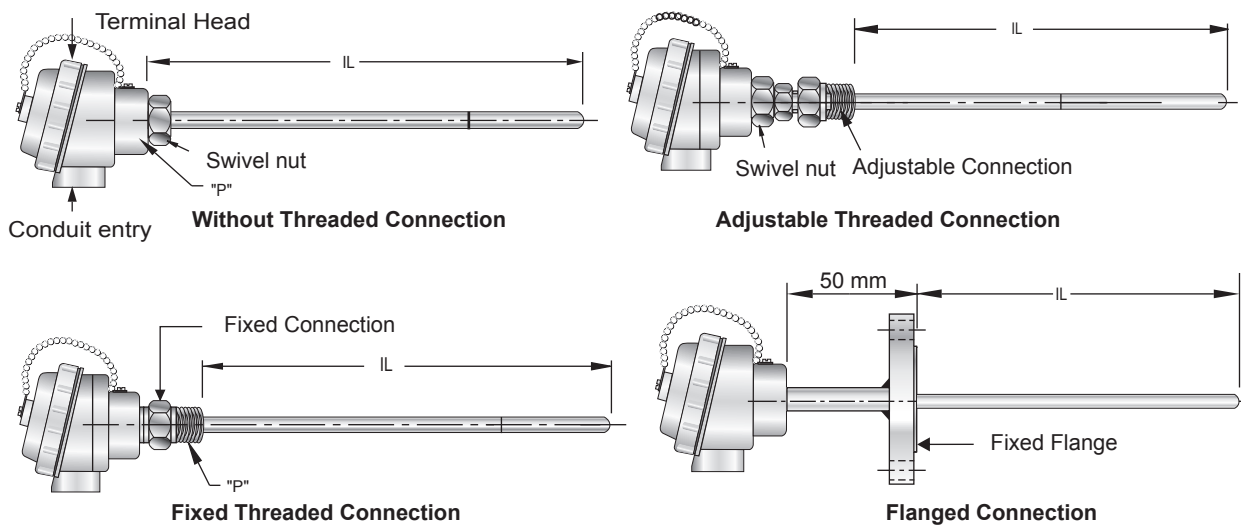
- Such assemblies are generally inserted in existing Thermowells / protection tubes
- This assembly can be provided with threaded connection and Thermowell

## Specifications

### Standard Version

No of element	: Simplex
Element type	: Pt - 100
Range	: -70°C 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	: 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	: SS Tag Plate

## Dimensional Details



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

**How To Order - Ordering Example : 2511RTD: SF.1.P100.C.A.3.06.SS.SWP.1.34ET.WOT.150mm.2NPM.C5**

Basic Model		2511RTD: SF	
Code	No of Element		
1	Simplex (Standard)		
2	Duplex		
Code	Elements Type		
P100	Pt- 100 (Standard)		
P500	Pt- 500		
P1000	Pt - 1000		
Code	Range		
C	-70°C till 500°C		
Code	Accuracy		
A	Class 'A' (Standard) (-70°C till 300°C)		
B	Class 'B'		
Code	Wire Configuration	Code	Wire Configuration
2	2 Wire system	3	3 Wire system (Standard)
4	4 Wire system		
Code	Sheath Diameter	Code	Sheath Diameter
03	3.0 mm*	10	10.0 mm
05	4.5 mm	12	12.0 mm
06	6.0 mm (Standard)	16	16.0 mm
08	8.0 mm	2SCH40	1/2" Sch. 40
			*For 3mm Sheath Dia Duplex cannot be offered
Code	Sheath Material		
SS	SS 316 (Standard)		
SSL	SS 316L		
Code	Terminal Head Type		
SFP	Screwed type, Flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum		
SEP	Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum		
HWP	Hinged type, Weatherproof, IP-67 in Die Cast Aluminum		
2SWP	Weatherproof Head, IP-67 in Die-cast Aluminum with cover fitted with two screws.		
SWP	Screwed type, weatherproof, IP-65 in Die Cast Aluminum (Standard)		
3WP	Terminal head in SS 304 - WP, IP-67		
6WP	Terminal head in SS 316 - WP, IP-67		
Code	No of Conduit Entry / Entries		
1	One entry (Standard)		
2	Double entry		
Code	Cable Gland	Code	Cable Gland
34ET	3/4" ET (Standard)	2NPF	1/2" NPT(F)
Code	Head Extension Type		
FF	Fixed Flange Connection		
AF	Adjustable Flange Connection		
AC	Adjustable connection		
FC	Fixed connection		
WOT	Without threaded connection (Standard)		
Code	Immersion Length		
XX	Specify in mm.		

Note: Design and Specifications subject to change without prior notice.

Code	Process Connection	Code	Process Connection
<b>4BSM</b>	1/4" BSP (M)#	<b>2M20</b>	M20 x 1.5 (M)*
<b>4NPM</b>	1/4" NPT (M)#	<b>34NPM</b>	3/4" NPT (M)
<b>2NPM</b>	1/2" NPT (M)*	<b>34NPF</b>	3/4" NPT (F)
<b>2BSM</b>	1/2" BSP(M)*	<b>34BSM</b>	3/4" BSP (M)
<b>2NPF</b>	1/2" NPT (F)*	<b>34BSF</b>	3/4" BSP (F)
<b>2BSF</b>	1/2" BSP (F)*		

\*Suitable sheath dia. 6, 8 & 10 mm

#Suitable sheath dia. for below 6 mm only.

Code	Flange connection	Code	Flange connection	Code	Flange connection	(As per ANSI B 16.5)*
<b>B09</b>	1/2" 150 #	<b>B21</b>	1" 150 #	<b>B39</b>	2" 150 #	
<b>B10</b>	1/2" 300 #	<b>B22</b>	1" 300 #	<b>B40</b>	2" 300 #	
<b>B11</b>	1/2" 600 #	<b>B23</b>	1" 600 #	<b>B41</b>	2" 600 #	
<b>B15</b>	3/4" 150 #	<b>B33</b>	1 1/2" 150 #	<b>B51</b>	3" 150 #	
<b>B16</b>	3/4" 300 #	<b>B34</b>	1 1/2" 300 #	<b>B52</b>	3" 300 #	
<b>B17</b>	3/4" 600 #	<b>B35</b>	1 1/2" 600 #	<b>B53</b>	3" 600 #	

(\* Flanged connections applicable with sheath diameter of 12 mm, 16 mm & 1/2"Sch. 40 pipe only)

Please consult for other flanges.

Code	Options
<b>PCS</b>	Plug for conduit entry in carbon steel
<b>PSS3</b>	Plug for conduit entry in SS 304
<b>PSS</b>	Plug for conduit entry in SS 316
<b>SCBW</b>	S. C. cable gland in Nickel plated Brass - WP
<b>DCBW</b>	D. C. cable gland in Nickel plated Brass - WP
<b>SC3W</b>	S. C. cable gland in SS 304 - WP
<b>DC3W</b>	D. C. cable gland in SS 304 - WP
<b>SC6W</b>	S. C. cable gland in SS 316 - WP
<b>DC6W</b>	D. C. cable gland in SS 316 - WP
<b>SCBF</b>	S. C. cable gland in Nickel plated Brass - FLP
<b>DCBF</b>	D. C. cable gland in Nickel plated Brass - FLP
<b>SC3F</b>	S. C. cable gland in SS 304 - FLP
<b>DC3F</b>	D. C. cable gland in SS 304 - FLP
<b>DC6F</b>	D. C. cable gland in SS 316 - FLP
<b>SC6F</b>	D. C. cable gland in SS 316 - FLP
<b>FC</b>	Fixed Threaded Connection
<b>AC</b>	Adjustable Threaded Connection
<b>C5</b>	Calibration Certificate
<b>ST</b>	SS Tag Plate
<b>DCBX</b>	D. C. cable gland in Nickel plated Brass - EX
<b>DC3X</b>	D. C. cable gland in SS 304 - EX
<b>DC6X</b>	D. C. cable gland in SS 316 - EX

Note :

1. When selecting option "C5", please also specify temp. points at which calibration is to be carried out .

2. Explanations of Abbreviations used:

SC = Single Compression

SS = Stainless Steel

DC = Double Compression

FLP = Flameproof

WP = Weatherproof

EX = Explosion proof

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