



### 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



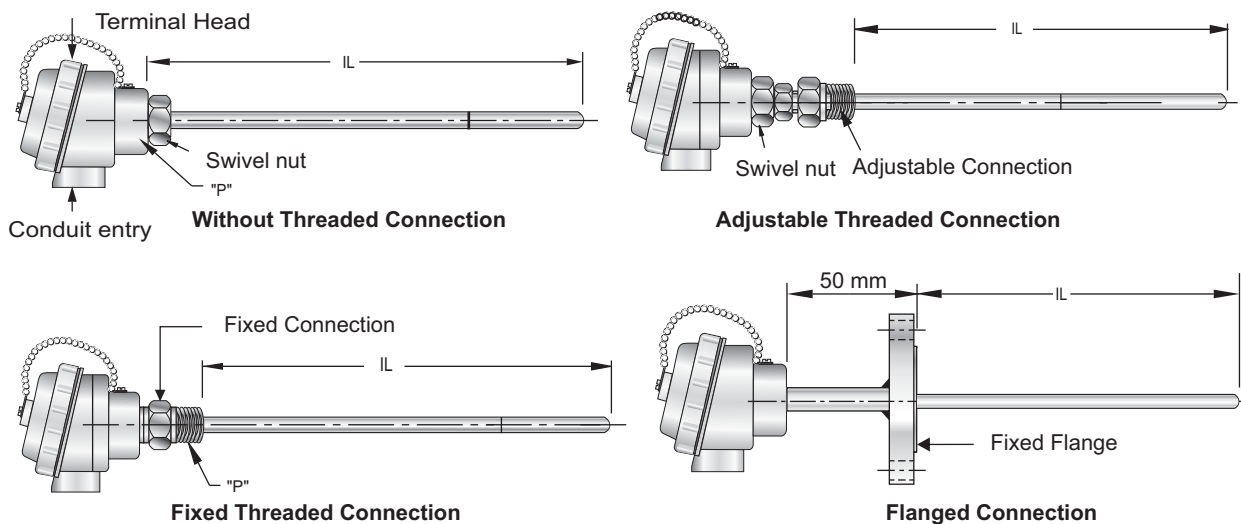
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### Specifications

#### 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.

How To Order	Example	How To Order	Example
<b>Basic Model</b>	R01	<b>Process Conn. "P", SS 316</b>	
<b>Optional Extras</b>		<b>2BM</b> 1/4" BSP (M)# <b>4MM</b> M20 x 1.5 (M)*	XXX
<b>No of Element</b>		<b>2NM</b> 1/4" NPT (M)# <b>5NM</b> 3/4" NPT (M)	
<b>1</b> Simplex (Standard)	X	<b>4NF</b> 1/2" NPT (M)* <b>5NF</b> 3/4" NPT (F)	
<b>2</b> Duplex		<b>4BM</b> 1/2" BSP(M)* <b>5BM</b> 3/4" BSP (M)	
<b>Elements Type</b>		<b>4NF</b> 1/2" NPT (F)* <b>5BF</b> 3/4" BSP (F)	
<b>P1</b> Pt- 100 (Standard)		<b>4BF</b> 1/2" BSP (F)*	
<b>P2</b> Pt- 500	XX	*Suitable sheath dia. 6, 8 & 10 mm	XXX
<b>P3</b> Pt - 1000		#Suitable sheath dia. for below 6 mm only.	
<b>Range</b>		<b>Flange connection - Refer flange table.</b>	
<b>C</b> -200°C till 450°C	X	(As per ANSI B 16.5)*	
<b>Accuracy</b>		<b>B09</b> 1/2" 150 # <b>B21</b> 1" 150 # <b>B39</b> 2" 150 #	
<b>A</b> Class 'A'	X	<b>B10</b> 1/2" 300 # <b>B22</b> 1" 300 # <b>B40</b> 2" 300 #	
<b>B</b> Class 'B' (Standard)		<b>B11</b> 1/2" 600 # <b>B23</b> 1" 600 # <b>B41</b> 2" 600 #	
<b>Wire Configuration</b>		<b>B15</b> 3/4" 150 # <b>B33</b> 1 1/2" 150 # <b>B51</b> 3" 150 #	
<b>2</b> 2 Wire system <b>3</b> 3 Wire system (Standard)	X	<b>B16</b> 3/4" 300 # <b>B34</b> 1 1/2" 300 # <b>B52</b> 3" 300 #	
<b>4</b> 4 Wire system		<b>B17</b> 3/4" 600 # <b>B35</b> 1 1/2" 600 # <b>B53</b> 3" 600 #	
<b>Sheath Diameter</b>		(* Flanged connections applicable with sheath diameter of 12 mm, 16 mm & 1/2"Sch. 40 pipe only)	
<b>03</b> 3.0 mm <b>10</b> 10.0 mm		Please consult for other flanges.	
<b>05</b> 4.5 mm <b>12</b> 12.0 mm	XX	<b>Other Options</b>	
<b>06</b> 6.0 mm (Standard) <b>16</b> 16.0 mm		<b>21</b> Plug for conduit entry in carbon steel	
<b>08</b> 8.0 mm <b>P4</b> 1/2" Sch. 40		<b>22</b> Plug for conduit entry in SS 304	
<b>Sheath Material</b>		<b>23</b> Plug for conduit entry in SS 316	
<b>1</b> SS 316 (Standard)		<b>32</b> S. C. cable gland in Nickel plated Brass - WP	
<b>2</b> SS 316L		<b>33</b> D. C. cable gland in Nickel plated Brass - WP	
<b>Terminal Head Type</b>		<b>34</b> S. C. cable gland in SS 304 - WP	
<b>F</b> Screwed type, Flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum		<b>35</b> D. C. cable gland in SS 304 - WP	
<b>E</b> Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum		<b>36</b> S. C. cable gland in SS 316 - WP	
<b>H</b> Hinged type, Weatherproof, IP-67 in Die Cast Aluminum	X	<b>37</b> D. C. cable gland in SS 316 - WP	
<b>B</b> Weatherproof Head, IP-67 in Die-cast Aluminum with cover fitted with two screws.		<b>38</b> S. C. cable gland in Nickel plated Brass - FLP	
<b>A</b> Screwed type, weatherproof, IP-65 in Die Cast Aluminum (Standard)		<b>39</b> D. C. cable gland in Nickel plated Brass - FLP	
<b>3</b> Terminal head in SS 304 - WP, IP-67		<b>40</b> S. C. cable gland in SS 304 - FLP	
<b>4</b> Terminal head in SS 316 - WP, IP-67		<b>41</b> D. C. cable gland in SS 304 - FLP	
<b>5</b> Terminal head in cast iron, IP-65		<b>42</b> S. C. cable gland in SS 316 - FLP	
<b>No of Conduit Entry / Entries</b>		<b>43</b> D. C. cable gland in SS 316 - FLP	
<b>1</b> One entry (Standard)		<b>FC</b> Fixed Threaded Connection	
<b>2</b> Double entry	X	<b>AC</b> Adjustable Threaded Connection	
<b>Cable Gland</b>		<b>PW</b> Calibration Certificate	
<b>A</b> 3/4" ET (Standard) <b>B</b> 1/2" NPT(F)	X	<b>SX</b> SS Tag Plate	
<b>Head Extension Type</b>		<b>Note :</b>	
<b>FF</b> Fixed Flange Connection		1. When selecting option "PW", please also specify temp. Points at which calibration is to be carried out .	
<b>AF</b> Adjustable Flange Connection	XX	2. Explanations of Abbreviations used:	
<b>AC</b> Adjustable connection		SC = Single Compression    SS = Stainless Steel	
<b>FC</b> Fixed connection		DC = Double Compression    FLP = Flameproof	
<b>XX</b> Without threaded connection (Standard)		WP = Weatherproof	
<b>Immersion Length</b>		<b>Ordering Example :</b>	
IL - Specify in mm.	300 mm	<b>R01 . X . XX . X . X . X . XX . X . X . X . XX . 300mm . XXX . XXX . XX</b>	