



Special Features

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

Application

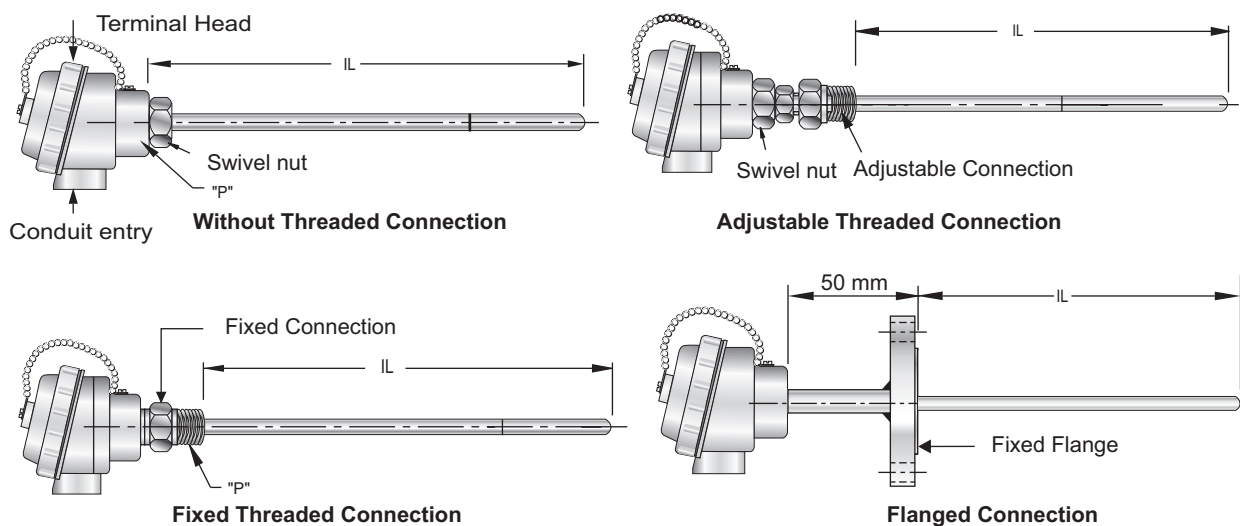
- Such assemblies are generally inserted in existing Thermowells / protection tubes
- This assembly can be provided with threaded connection and Thermowell

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.

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



Special Features

- Mineral insulated cable.
- Spring loaded design for positive contact with thermowell
- Available in various connections & sheath diameters
- Enclosures (Head)
 - Weatherproof IP - 67
 - Flameproof Gr. IIA, IIB
 - Explosion proof IIA, IIB, IIC
- Transmitter output 4 - 20 mA (Optional)
- Reference Standard : IEC - 751 / DIN 43760

Application

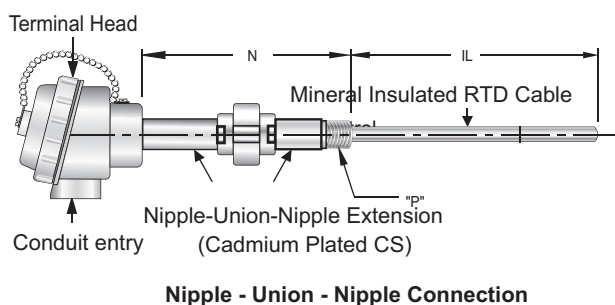
- Such design is generally used in all industries, machinery manufactures, bearing temp. measurement etc. where space is limited.

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	:	Head with nipple union nipple extension
Immersion length "IL"mm	:	150 mm.
Process conn. "P"	:	½" BSP (M), SS 316
Tag plate	:	Aluminum tag plate

Dimensional Details



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

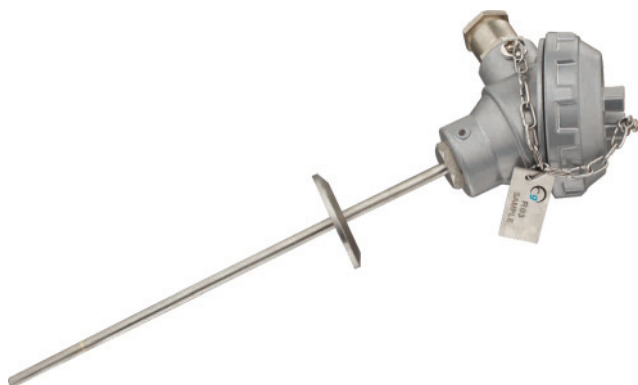
How To Order	Example	How To Order	Example
Basic Model		Cable Gland	
Optional Extras		A 3/4" ET (Standard)	X
No of Element		C 3/4" NPT(F)	
1 Simplex (Standard)	X	Head Extension Type	
2 Duplex		E Head with nipple extension	X
Elements Type		U Head with nipple union extension	
P1 Pt- 100 (Standard)	XX	N Head with nipple union nipple extension	
P2 Pt- 500		Immersion Length / Element Length	
P3 Pt - 1000		IL - Specify in mm.	150mm
Range		Process conn. "P"	
C -200°C till 450°C	X	4NM 1/2"NPT (M)	XXX
Accuracy		5NM 3/4" NPT (M)	
A Class 'A'	X	4NF 1/2"NPT (F)	
B Class 'B' (Standard)		5NF 3/4" NPT (F)	
Wire Configuration		4BM 1/2"BSP (M) (Standard)	XX
2 2 Wire system	X	5BM 3/4" BSP (M)	
3 3 Wire system (Standard)		4BF 1/2"BSP (F)	
4 4 Wire system		5BF 3/4" BSP (F)	
Sheath Diameter		Other Options	
03 3.0 mm	XX	13 Head mounted transmitter (4-20 mA)	XX
06 6.0 mm (Standard)		14 SS base plate suitable for temperature transmitter mounting	
05 4.5 mm	X	21 Plug for conduit entry in carbon steel	
08 8.0 mm		22 Plug for conduit entry in SS 304	
Sheath Material		23 Plug for conduit entry in SS 316	
1 SS 316 (Standard)	X	32 S. C. cable gland in nickel plated brass - WP	
2 SS 316L		33 D. C. cable gland in nickel plated brass - WP	
Terminal Head Type		34 S. C. cable gland in SS 304 - WP	
F Screwed type, Flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum	X	35 D. C. cable gland in SS 304 - WP	
E Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum		36 S. C. cable gland in SS 316 - WP	
H Hinged type, Weatherproof, IP-67 in Die Cast Aluminum	X	37 D. C. cable gland in SS 316 - WP	
B Weatherproof Head, IP-67 in Die Cast Aluminum with cover fitted with two screws.		38 S. C. cable gland in nickel plated brass - FLP	
A Screwed type, weatherproof, IP-65 in Die Cast Aluminum (Standard)	X	39 D. C. cable gland in nickel plated brass - FLP	
3 Terminal head in SS 304 - WP, IP-67		40 S. C. cable gland in SS 304 - FLP	
4 Terminal head in SS 316 - WP, IP-67	X	41 D. C. cable gland in SS 304 - FLP	
5 Terminal head in cast iron, IP-65		42 S. C. cable gland in SS 316 - FLP	
No of Conduit Entry / Entries		43 D. C. cable gland in SS 316 - FLP	
1 One entry (Standard)	X	EC Head with nipple extension 50 mm in CS	
2 Double entry		E4 Head with nipple extension 50 mm in SS 304	
		E6 Head with nipple extension 50 mm in SS 316	
		UC Head with nipple extension 100 mm in CS	
		U4 Head with nipple extension 100 mm in SS 304	
		U6 Head with nipple extension 100 mm in SS 316	
		NC Head with nipple extension 150 mm in CS	
		N4 Head with nipple extension 150 mm in SS 304	
		N6 Head with nipple extension 150 mm in SS 316	
		AC Adjustable threaded connection	
		PW Calibration certificate	
		SX SS tag plate	

Note :

- When selecting option "PW", please also specify temp. Points at which calibration is to be carried out .
- Explanations of Abbreviations used:

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

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.



Special Features

- Mineral insulated cable.
- Spring loaded design for positive contact with thermowell
- Available in various connections & sheath diameters
- Sanitary connections are available in size of 1", 1½", 2", 2½"
- Mounting is very easy & quick
- Enclosures (Head)
Weatherproof IP - 67
- Transmitter output 4 - 20 mA (Optional)
- Reference standard : IEC - 751 / DIN 43760.

Applications

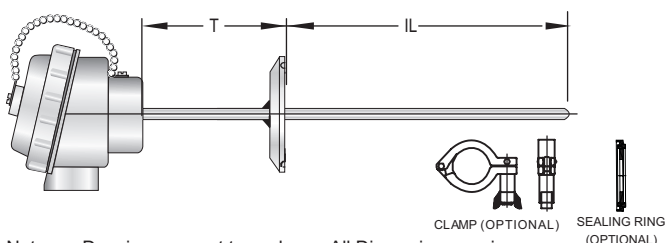
- Sanitary application, food industries etc

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
Conduit entry size	: 3/4" ET(F)
Sanitary connection	: 1½", SS 316
Immersion length "IL"mm	: 150 mm.
Extension length "T"mm	: 50 mm.
Tag plate	: Aluminum tag plate

Dimensional Details



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

How To Order

Example

Basic Model

Optional Extras

No of Element	1 Simplex (Standard)	2 Duplex	X
Element type	P1 Pt- 100		
Range	C -200°C till 450°C (Standard)		X
Accuracy	A Class 'A'	B Class 'B' (Standard)	X

Wire Configuration

2	2 Wire system	3	3 Wire system (Standard)	X
4	4 Wire system			

Sheath Diameter

03	3.0 mm	06	6.0 mm (Standard)	XX
05	4.5 mm	08	8.0 mm	

Sheath Material

1	SS 316 (Standard)	2	SS 316L	X
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Terminal Head Type

F	Screwed type, Flameproof Gr. IIA IIB in Die Cast Aluminum			
E	Screwed type, Explosion proof Gr. IIC in Die Cast Aluminum			X
3	Terminal head in SS 304 - WP, IP-67			
4	Terminal head in SS 316 - WP, IP-67			
5	Terminal head in cast iron, IP-65			

No of Conduit Entry / Entries

1	One entry (Standard)	2	Double entry	X
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Conduit Entry Size

A	3/4" ET (Standard)	B	1/2" NPT(F)	X
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Sanitary Connection Size

A	1"	B	1½" (Standard)	C	2"	D	2½"	X
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Immersion Length

IL - Specify in mm	150 mm
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Extension Length

T - Specify in mm	50 mm
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Other Options

13	Head mounted transmitter (4-20 mA)			
14	SS base plate suitable for temperature transmitter mounting			
16	1" Clamp with gasket			
17	1½" Clamp with gasket			
18	2" Clamp with gasket			
19	2½" Clamp with gasket			XX
21	Plug for conduit entry in carbon steel			
22	Plug for conduit entry in SS 304			
23	Plug for conduit entry in SS 316			
32	S. C. cable gland in nickel plated brass - WP			
33	D. C. cable gland in nickel plated brass - WP			
38	S. C. cable gland in nickel plated brass - FLP			
39	D. C. cable gland in nickel plated brass - FLP			
40	S. C. cable gland in SS 304 - FLP			
41	D. C. cable gland in SS 304 - FLP			
42	S. C. cable gland in SS 316 - FLP			
43	D. C. cable gland in SS 316 - FLP			
PW	Calibration certificate			
SX	SS Tag plate			

Note :

- When selecting option "PW", please also specify temp. points at which calibration is to be carried out .
- Explanations of Abbreviations used:
SC = Single Compression SS = Stainless Steel
DC = Double Compression FLP = Flameproof
WP = Weatherproof



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

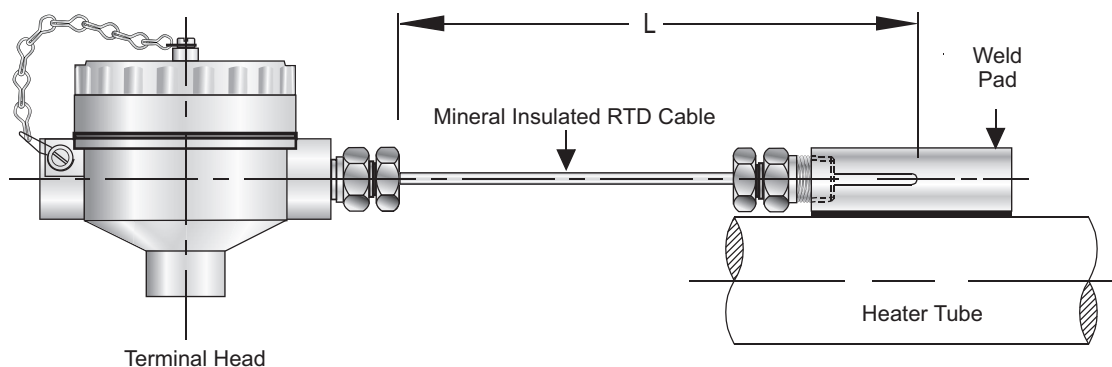
- This design is specifically used to measure skin temperature of heater tube or flat surface.
- Our thermocouple assembly will be with weld pad which will be directly welded on heater tube or flat surface.
- Curvature to weld pad will be provided as required by customer.
- Typical applications are measurement 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	:	-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	:	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	:	Aluminum 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		Weld Pad Size (L x W x H)	
Optional Extras		1 50 x 25 x 25 mm (Standard) 3 100 x 50 x 50 mm	X
No of Element		2 100 x 25 x 25 mm	
1 Simplex (Standard)	X	Other, Please Specify	
2 Duplex		Round Integral Collar Size (OD x ID x Thk), SS 316	
Element Type		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	X	Other, Please Specify	
P3 Pt - 1000		Weld Pad / Collar Material	
Range		2 SS 316 (Standard) 3 SS 310	X
C -200°C till 450°C (Standard)	X	4 SS 446 6 Inconel 600	
Accuracy		Weld Pad Type	
A Class 'A'	X	Specify OD of pipe in mm	50 mm
B Class 'B' (Standard)		Total Length	
Wire Configuration		L - Specify in mm.	1000 mm
2 2 Wire system 3 3 Wire system (Standard)	X	Other Options	
4 4 Wire system		13 Head mounted transmitter (4-20 mA)	
Sheath Diameter		14 SS base plate suitable for temperature transmitter mounting	
03 3.0 mm 06 6.0 mm (Standard)	XX	21 Plug for conduit entry in carbon steel	
05 4.5 mm 08 8.0 mm		22 Plug for conduit entry in SS 304	
Sheath Material		23 Plug for conduit entry in SS 316	
1 SS 316 (Standard) 2 SS 316L	X	32 S. C. cable gland in nickel plated brass - WP	
Terminal Head Type		33 D. C. cable gland in nickel plated brass - WP	
F Screwed type, Flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum		34 S. C. cable gland in SS 304 - WP	
E Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum	X	35 D. C. cable gland in SS 304 - WP	
H Hinged type, weatherproof, IP-67 in Die Cast Aluminum		36 S. C. cable gland in SS 316 - WP	
B Weatherproof Head, IP-67 in Die Cast Aluminum with cover fitted with two screws.		37 D. C. cable gland in SS 316 - WP	
A Screwed type, Weatherproof, IP-65 in Die Cast Aluminum (Standard)		38 S. C. cable gland in nickel plated brass - FLP	
3 Terminal head in SS 304 - WP, IP-67		39 D. C. cable gland in nickel plated brass - FLP	
4 Terminal head in SS 316 - WP, IP-67		40 S. C. cable gland in SS 304 - FLP	
5 Terminal head in cast iron, IP-65		41 D. C. cable gland in SS 304 - FLP	
No of Conduit Entry / Entries		42 S. C. cable gland in SS 316 - FLP	
1 One entry (Standard)	X	43 D. C. cable gland in SS 316 - FLP	
2 Double entry		PW Calibration certificate	
Conduit Entry Size		SX SS tag plate	
A 3/4" ET (Standard) B 1/2" NPT(F)	X		
Mounting Type			
S Surface Mounting For JB			
B Bracket Mounting For Head (Standard)	X		
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

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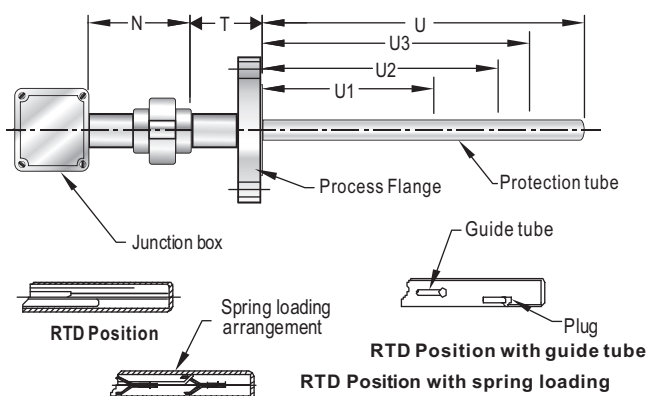


Specifications

Standard Version

No of Elements	: Simplex
Element Type	: Pt -100
Range	: -200°C till 450°C
Accuracy	: Class 'B' Tolerance as per IEC - 751 / DIN 43760
No of Points	: 3 RTD
Wire configuration	: 3 Wire system
Sheath diameter	: 3.0 mm
Sheath material	: SS 316
Junction box type	: Weatherproof, IP 65 in Die cast aluminum
No of conduit entries	: Three
Conduit entry size	: 3/4" ET(F)
Junction box extension type	: Junction box with nipple Union of CS
Protecting tube material	: SS 316
Protecting tube size	: 1/2" Sch. 40
Flange material	: SS 316
Flange type / size	: 1 1/2" 150# RF
Immersion length	: U = 1500 mm
TC point location (mm)	: Example : U1 = 500, U2 = 750, U3 = 1350
Extension length "T"	: 150 mm
Junction box extension length "N"	: 200 mm, CS plated
Tag plate	: SS Tag plate

Dimensional Details



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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

- These assemblies find application in Refinery & Petrochemical plants which includes catalytic crackers, lime kilns, distillation columns & pressurized reactor vessels.

How To Order

Example

Basic Model

Optional Extras

No of Element

- | | | |
|---|--------------------|---|
| 1 | Simplex (Standard) | X |
| 2 | Duplex | |

Element Type

- | | | |
|----|--------------------|----|
| P1 | Pt- 100 (Standard) | XX |
| P2 | Pt- 500 | |
| P3 | Pt - 1000 | |

Range

- | | | |
|---|-------------------|---|
| C | -200°C till 450°C | X |
|---|-------------------|---|

Accuracy

- | | | |
|---|----------------------|---|
| A | Class 'A' | X |
| B | Class 'B' (Standard) | |

No of Point

- | | | | | |
|-----------------------|------------------|---|-------|---|
| 2 | 2 RTD | 5 | 5 RTD | X |
| 3 | 3 RTD (Standard) | 6 | 6 RTD | |
| 4 | 4 RTD | 9 | 9 RTD | |
| Other, please specify | | | | |

Wire Configuration

- | | | | | |
|---|---------------|---|--------------------------|---|
| 2 | 2 Wire system | 3 | 3 Wire system (Standard) | X |
| 4 | 4 Wire system | | | |

Sheath Diameter

- | | | | | |
|----|--------|----|-------------------|---|
| 03 | 3.0 mm | 06 | 6.0 mm (Standard) | X |
| 05 | 4.5 mm | 08 | 8.0 mm | |

Sheath Material

- | | | |
|---|-------------------|---|
| 1 | SS 316 (Standard) | X |
| 2 | SS 316L | |

Junction Box Type

- | | | |
|----|--|---------------|
| W | Weatherproof head, IP-67 in Die Cast Aluminum | X
OR
XX |
| E | Screwed type, flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum | |
| F | Screwed type, explosion proof, IP-67, Gr. IIC in Die Cast Aluminum | |
| 44 | Junction box in SS 304 | |
| 45 | Junction box in SS 316 | |
| A | Screwed type, weatherproof, IP-65 in Die Cast Aluminum (Standard) | |

No of Conduit Entry / Entries

- | | | | | |
|---|-----|---|------------------|---|
| 1 | One | 3 | Three (Standard) | X |
| 2 | Two | 5 | Five | |

Conduit Entry Size

- | | | | | |
|---|-----------------------|---|-------------|---|
| A | 3/4" ET(F) (Standard) | B | 1/2" NPT(F) | X |
| | 3/4" NPT(F) | | | |

How To Order	Example	How To Order	Example
Guide Tube Diameter		Multipoint Insetrtion Length	U1=500 mm
06 6.0 mm		U1, U2, U3, U4....Specify in mm.	U2=750 mm
08 8.5 mm		Immersion Length	U3=1350 mm
10 10.0 mm	XX	U - Specify in mm	1500 mm
XX Not applicable		Extension Length	
Guide Tube Material		T - Specify in mm.	150 mm
1 SS 316	X	Junction Box Extension Length	
X Not applicable		N - Specify in mm.	200 mm
Head Extension Type		Other Options	
X Head only		21 Plug for conduit entry in Carbon Steel	
E Head with nipple extension	X	22 Plug for conduit entry in SS 304	
U Head with nipple union extension		23 Plug for conduit entry in SS 316	
N Head with nipple union nipple extension		32 S. C. cable gland in Nickel plated Brass - WP	
Junction Box Extension Type		33 D. C. cable gland in Nickel plated Brass - WP	
U With Nipple & Union	X	34 S. C. cable gland in SS 304 - WP	
H With Flexhose		35 D. C. cable gland in SS 304 - WP	
Protecting Tube		36 S. C. cable gland in SS 316 - WP	
Size OD in mm Wall Thk. in mm		37 D. C. cable gland in SS 316 - WP	
N4 1/2"Sch.40 21.3 2.77		38 S. C. cable gland in Nickel plated Brass - FLP	
N8 1/2"Sch.80 21.3 3.74		39 D. C. cable gland in Nickel plated Brass - FLP	
R4 1"Sch.40 33.4 3.4		40 S. C. cable gland in SS 304 - FLP	XX
R8 1"Sch.80 33.4 4.5		41 D. C. cable gland in SS 304 - FLP	
T4 1.5"Sch.40 48.3 3.7	XX	42 S. C. cable gland in SS 316 - FLP	
T8 1.5"Sch.80 48.3 5.1		43 D. C. cable gland in SS 316 - FLP	
U4 2"Sch.40 60.3 3.9		UC Head with Nipple extension 100 mm in CS	
U8 2"Sch.80 60.3 5.5		U4 Head with Nipple extension 100 mm in SS 304	
Other, Please Specify		U6 Head with Nipple extension 100 mm in SS 316	
Protecting Tube Material		NC Head with Nipple extension 150 mm in CS	
2 ASTM A105 (CS)	X	N4 Head with Nipple extension 150 mm in SS 304	
3 A182 F316		N6 Head with Nipple extension 150 mm in SS 316	
Consult factory for other material.		PW Calibration Certificate	
Flange Material		Note :	
2 ASTM A105 (CS)		1. When selecting option "PW", please also specify temp.	
3 A182 F316	X	Points at which calibration is to be carried out .	
Consult factory for other material.		2. Explanations of Abbreviations used:	
Flange Type / Size		SC = Single Compression SS = Stainless Steel	
(As per ANSI B 16.5)*		DC = Double Compression FLP = Flameproof	
B09 1/2" 150 # B21 1" 150 # B39 2" 150 #		WP = Weatherproof	
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 #	XXX		
B16 3/4" 300 # B34 1 1/2" 300 # B52 3" 300 #			
B17 3/4" 600 # B35 1 1/2" 600 # B53 3" 600 #			
(* Please mention the flange face and flange finish)			
Please consult factory for other flanges.			
		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.	



Special Features

- Available in various sheath diameters
- Lead wires of your choice
- Reference Standard : IEC - 751 / DIN 43760

Applications

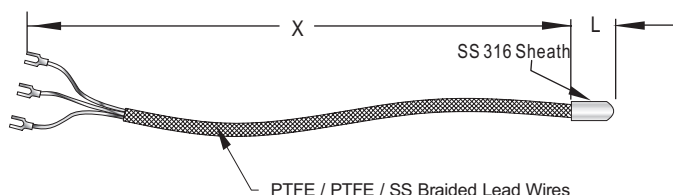
- Bearing Temperature measurement, used by equipment/ instrument manufacturer.

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	: 3.0 mm
Sheath material	: SS 316
Element length 'L' mm	: 25 mm
Lead wire length 'L' mm	: 1000 mm
Lead wire Type	: PTFE / PTFE / SS wire braided lead wires.

Dimensional Details



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

How To Order

Example

Basic model

Optional Extras

No of Element

- | | | |
|---|--------------------|---|
| 1 | Simplex (Standard) | X |
| 2 | Duplex | |

Elements Type

- | | | |
|----|--------------------|----|
| P1 | Pt- 100 (Standard) | XX |
| P2 | Pt- 500 | |
| P3 | Pt - 1000 | |

Range

- | | | |
|---|-------------------|---|
| C | -200°C till 450°C | X |
|---|-------------------|---|

Accuracy

- | | | |
|---|----------------------|---|
| A | Class 'A' | X |
| B | Class 'B' (Standard) | |

Wire Configuration

- | | | | | |
|---|---------------|---|--------------------------|---|
| 2 | 2 Wire system | 3 | 3 Wire system (Standard) | X |
| 4 | 4 Wire system | | | |

Sheath Diameter

- | | | |
|----|-------------------|----|
| 03 | 3.0 mm | XX |
| 05 | 4.5 mm | |
| 06 | 6.0 mm (Standard) | |
| 08 | 8.0 mm | |

Sheath Material

- | | | |
|---|-------------------|---|
| 1 | SS 316 (Standard) | X |
| 2 | SS 316L | |

Element Length

- | | | |
|---|------------------|-------|
| L | - Specify in mm. | 25 mm |
|---|------------------|-------|

Lead Wire Length

- | | | |
|---|------------------|---------|
| X | - Specify in mm. | 1000 mm |
|---|------------------|---------|

Lead Wire Type

- | | | |
|---|--------------------------|---|
| 1 | PTFE insulated | X |
| 2 | PTFE / PTFE Insulated | |
| 3 | PTFE / PTFE / SS Braided | |

Other Options

- | | | |
|----|-------------------------|----|
| PW | Calibration Certificate | XX |
| SX | SS Tag Plate | |

Note :

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

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.



Special Features

- Mineral insulation enables flexibility and durability.
- Spring loaded design for positive contact with thermowell
- Available in various standard sheath diameters and sheath materials.
- Transmitter output 4 - 20mA (Optional)
- Reference Standard : IEC - 751 / DIN 43760

Applications

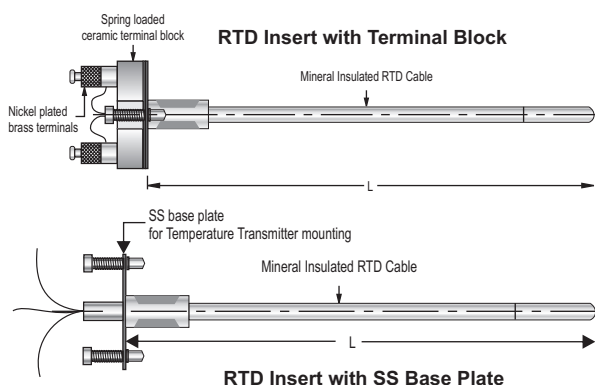
- Used as a spare or replacement RTD element in existing RTD assembly

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
Cold End Termination	: Spring loaded terminal block OD = 41.0 mm PCD = 33 mm
Element Length "L" mm	: 150 mm
Tag Plate	: Aluminum Tag Plate

Dimensional Details



How To Order			Example	
Basic Model				
Optional Extras				
No of Element			X	
1	Simplex (Standard)			
2	Duplex			
Elements Type			XX	
P1	Pt- 100 (Standard)			
P2	Pt- 500			
P3	Pt - 1000			
Range			X	
C	-200°C till 450°C			
Accuracy			X	
A	Class 'A'			
B	Class 'B' (Standard)			
Wire Configuration			X	
2	2 Wire system	3		3 Wire system (Standard)
4	4 Wire system			
Sheath Diameter			XX	
03	3.0 mm			
05	4.5 mm			
06	6.0 mm (Standard)			
08	8.0 mm			
Sheath Material			X	
1	SS 316 (Standard)			
2	SS 316L			
Cold End Termination			X	
Code Cold End Termination				
6	Spring loaded terminal block OD = 55.0 mm PCD = 46 mm			
7	SS Base Plate, OD = 41.0mm PCD = 33.0 mm			
8	SS Base Plate, OD = 55.0mm PCD = 46.0 mm			
Element Length			150mm	
L - Specify in mm.				
Other Options			XX	
30	Head mounted transmitter (4-20 mA) with SS base plate			
46	C - Clamp			
PW	Calibration certificate			
SX	SS tag plate			

Note :

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

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.

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



Special Features

- Mineral insulation enables flexibility and Durability.
- Bare conductor provided for termination of your choice.
- Reference Standard : IEC - 751 / DIN 43760

Applications

- As a replacement RTD insert in Existing thermowells / protection tubes.

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
Cold end termination	: Bare Conductor
Element length 'L' mm	: 150 mm
Tag plate	: Aluminum Tag Plate

Dimensional Details



Flexible Tails - PTFE Insulated

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

How To Order			Example
Basic model			
Optional Extras			
No of Element			
1	Simplex (Standard)		X
2	Duplex		
Elements Type			
P1	Pt- 100 (Standard)		XX
P2	Pt- 500		
P3	Pt - 1000		
Range			
C	-200°C till 450°C		X
Accuracy			
A	Class 'A'		X
B	Class 'B' (Standard)		
Wire Configuration			
2	2 Wire system	3	3 Wire system (Standard)
4	4 Wire system		X
Sheath Diameter			
03	3.0 mm		XX
05	4.5 mm		
06	6.0 mm (Standard)		
08	8.0 mm		
Sheath Material			
1	SS 316 (Standard)		X
2	SS 316L		
Element Length			
L - Specify in mm.			150 mm
Weld Pad Size (L x W x H), SS 316			
2	100 x 25 x 25 mm		X
3	100 x 50 x 50 mm		
Other, please specify			
Other Options			
46	C - Clamp		XX
PW	Calibration Certificate		
SX	SS Tag Plate		

Note :

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

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.



GOST

Special Features

- Mineral insulation enables flexibility and Durability.
- RTD with adjustable process connection for adjustable insertion length.
- Reference Standard : IEC - 751 / DIN 43760

Applications

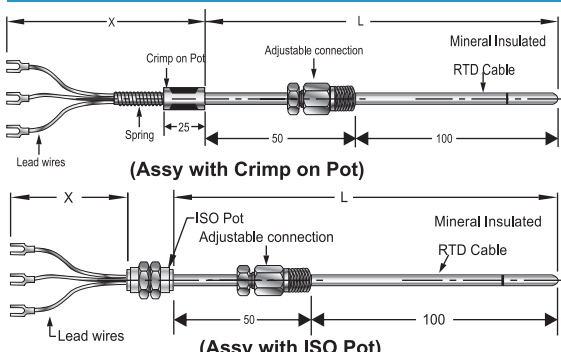
- This design is used in General industry for temperature measurement

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
Immersion length 'IL' / Element length 'L' mm	: L = 150 mm
Lead wire length 'X' mm	: 3000 mm
Lead wire type	: PTFE / PTFE / SS braided lead wire
Process connection	: 1/2" BSP (M) Adj., SS 316
Tag plate	: Aluminum tag plate
Cold end termination	: Crimp on pot with lead wires

Dimensional Details



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

How To Order

Example

Basic model

Optional Extras

No of Element

- 1 Simplex (Standard)
2 Duplex

Elements Type

- P1 Pt- 100 (Standard) P3 Pt- 1000
P2 Pt- 500

Range

- C -200°C till 450°C

Accuracy

- A Class 'A'
B Class 'B' (Standard)

Wire Configuration

- 2 2 Wire system 3 3 Wire system (Standard)
4 4 Wire system

Sheath Diameter

- 03 3.0 mm 06 6.0 mm (Standard)
05 4.5 mm 08 8.0 mm

Sheath Material

- 1 SS 316 (Standard) 2 SS 316L

Cold End Termination

- C Crimp on Pot with lead wire
D 8.0mm ISO pot (Threaded pot) with lead wires.
E 12.0mm ISO pot (Threaded pot) with lead wires.

Total Length

L - Specify in mm.

Lead Wire Length

X - Specify in mm.

Lead Wire Type

- 1 PTFE insulated lead wires
2 PTFE / PTFE insulated lead wires
3 PTFE / PTFE / SS braided lead wire (Standard)

Process conn. "P"

4NM	1/2" NPT (M)	5NM	3/4" NPT (M)
4NF	1/2" NPT (F)	5NF	3/4" NPT (F)
4BF	1/2" BSP (F)	5BM	3/4" BSP (M)
4BM	1/2" BSP (M) (Standard)	5BF	3/4" BSP (F)

Other Options

- 46 C - Clamp SX SS Tag plate
PW Calibration certificate

Note :

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

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Special Features

- Mineral insulation enables for use at higher temperature
- RTD with adjustable process connection for adjustable insertion length
- Available in various standard sheath diameters and sheath materials
- Cold end termination will be with plug and jack connector for quick disconnection type application.
- Reference Standard : IEC - 751 / DIN 43760

Applications

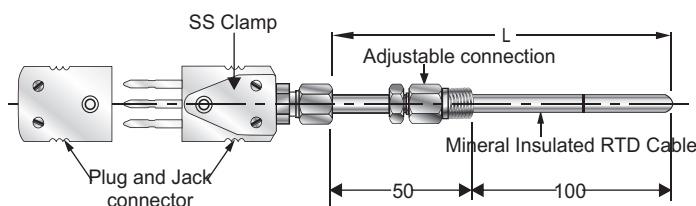
- This design is used in general industry for temperature measurement

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
Cold end termination	:	Plug & jack connector
Insertion length 'IL' /	:	L = 150 mm
Process connection	:	½" BSP (M) Adj., SS 316
Tag plate	:	Aluminum tag plate

Dimensional Details



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

How To Order				Example	
Basic model				X	
Optional Extras					
No of Element					
1	Simplex (Standard)			X	
2	Duplex				
Elements Type				XX	
P1	Pt- 100 (Standard)				
P2	Pt- 500				
P3	Pt - 1000				
Range				X	
C	-200°C till 450°C				
Accuracy				X	
A	Class 'A'		B		Class 'B' (Standard)
Wire Configuration				X	
2	2 Wire system		3		3 Wire system (Standard)
4	4 Wire system				
Sheath Diameter				XX	
03	3.0 mm		06		6.0 mm (Standard)
05	4.5 mm		08		8.0 mm
Sheath Material				X	
1	SS 316 (Standard)				
2	SS 316L				
Cold End Termination				X	
1	Plug & Jack Connector (Standard)				
2	Miniature Plug & Jack Connector				
3	Omega make Standard Plug & Jack Connector				
4	Omega make Miniature Plug & Jack Connector				
Total Length				150 mm	
L - Specify in mm.					
Process conn. "P"				XXX	
4NM	½" NPT (M)		5NM		¾" NPT (M)
4NF	½" NPT (F)		5NF		¾" NPT (F)
4BM	½" BSP (M) (Standard)		5BM		¾" BSP (M)
4BF	½" BSP (F)		5BF		¾" BSP (F)
Other Options				XX	
46	C - Clamp				
PW	Calibration Certificate				
SX	SS Tag Plate				

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.