



SPECIAL FEATURES:

- Mineral insulation.
- Available in all sheath diameters
- Mineral insulation enables flexibility and durability.
- Enclosures in all material - Die cast Aluminium / SS 304 / SS 316
- Enclosures in all categories (Weatherproof, IP-65 to IP-68, Flameproof Gr. IIA IIB and Explosionproof, Gr. IIA, IIB, IIC for H₂ service application.)

- Reference standard :- **IEC - 751 / DIN 43760**

HOW TO ORDER

Code	No of Element
1	Simplex
2	Duplex

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Code	Element Type
Pt -100	Pt - 100 RTD
Pt - 500	Pt - 500 RTD
Pt - 1000	Pt - 1000 RTD
Cu - 53	Cu - 53

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Code	Range
FLM	-200°C till 449°C
CMC	450°C till 600°C

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Code	Accuracy
A	Class 'A' Tolerance as per IEC - 751
B	Class 'B' Tolerance as per IEC - 751

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Code	Wire Configuration
2W	2 Wire System
3W	3 Wire System
4W	4 Wire System

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APPLICATIONS:

- This design is specifically used to measure skin temperature of heater tube or flat surface. Typical applications are measurement of surface temperature of refractory lined vessels, columns, reactors in Petrochemical plants & oil Refineries & pipelines.

STANDARD PRODUCT DETAILS

No of element	- Simplex
Element type	- Pt - 100 RTD
Range	- -200°C till 449°C
Accuracy	- Class 'B' Tolerance as per IEC - 751
Wire Configuration	- 3 Wire System
Sheath Diameter	- 6.0 mm
Sheath Material	- SS 316
Terminal Head Type	- Screwed type, weatherproof, IP-67 in Die-cast Aluminium
No. Of Conduit Entry/Entries	- One
Conduit Entry Size	- ½" NPT (F)
Mounting Type	- Bracket Mounting for Head
Weld Pad Size	- 25x25x50 mm
Weld Pad Radius	- Flat Surface
Weld Pad Material	- SS 316
Total Length "L" mm	- 3000 mm.
Option Description	- S.C. cable gland in nickel plated brass

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

Code	Sheath Diameter
3	3,0 mm
4	4,0 mm
5	5,0 mm
6	6,0 mm
8	8,0 mm
10	10,0 mm
Consult factory for other diameter.	

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Code	Sheath Material
304	SS 304 (Standard)
316	SS 316

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Code	Terminal Head Type
SW5	Screwed type, weatherproof, IP-65 in die-cast Aluminium
SW7	Screwed type, weatherproof, IP-67 in die-cast Aluminium
SFP	Screwed type, flameproof Gr. IIA IIB in die-cast Aluminium
SEP	Screwed type, explosionproof Gr.IIC in die-cast Aluminium
HWP	Hinged type, weatherproof, IP-65 in die-cast Aluminium
BWP	Weatherproof Head, IP-65 in die-cast Aluminium with cover fitted with two screws.

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Code	No. Of Conduit Entry/Entries
1	One
2	Two
	Other, Please Specify

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Code	Conduit Entry Size
A	3/4" ET(F)
B	1/2"NPT(F)
C	3/4"NPT(F)
	Other, Please Specify

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Code	Mounting Type
S	Surface Mounting For JB
B	Bracket Mounting For Head
P	2"NB Pipe Mounting Bracket
L	Local Mounting Without Bracket

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Code	Weld Pad Size
1	25x25x50 mm
2	25x25x100 mm
3	50x50x100 mm
	Other, Please Specify

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Code	Weld Pad Radius
R	Specify in mm.
F	Flat Surface

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Code	Weld Pad Material
316	SS 316
310	SS 310
446	SS 446
INC.6	Inconel 600

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Code	Total Length "L"mm
	Specify in mm.

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Code	Option Description
0	None
3	Terminal head in SS 304
4	Terminal head in SS 316
6	S.C. cable gland in nickel plated brass
7	D.C. cable gland in nickel plated brass
8	S.C. cable gland in SS 304
9	D.C. cable gland in SS 304
11	S.C. cable gland in SS 316
12	D.C. cable gland in SS 316
13	Head mounted temp. transmitter
14	S.S. base plate suitable for Temperature Transmitter mounting
16	Head Extension in SS 304.
17	Head Extension in SS 316.
20	Plug for conduit entry in Carbon Steel [ASTM A105]
21	Plug for conduit entry in SS 304
22	Plug for conduit entry in SS 316
23	Plug for conduit entry in Aluminium
PW	Factory Calibration Certificate
SX	SS Tag Plate
TC	Teflon Coating on Sheath

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Note :

- When selecting option "PW", please also specify measuring temperature range.(For e.g. 0/300°C)
- Explanations of Abbreviations used:
 SC = Single Compression
 DC = Double Compression
 SS = Stainless Steel

(Ordering Example)

RTD 09	1	(Pt-100)	FLM	B	3W	6	316	SWP	1	B	B	1	F	316	3000	6
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16