

Special Features :

- Mineral Insulated with compact MgO Powder.
- Spring loaded design.
- Exchangeable Insert.
- Available in Various Connections & sheath diameter.
- Standard followed in general IEC - 751 / DIN 43760.

Applications :

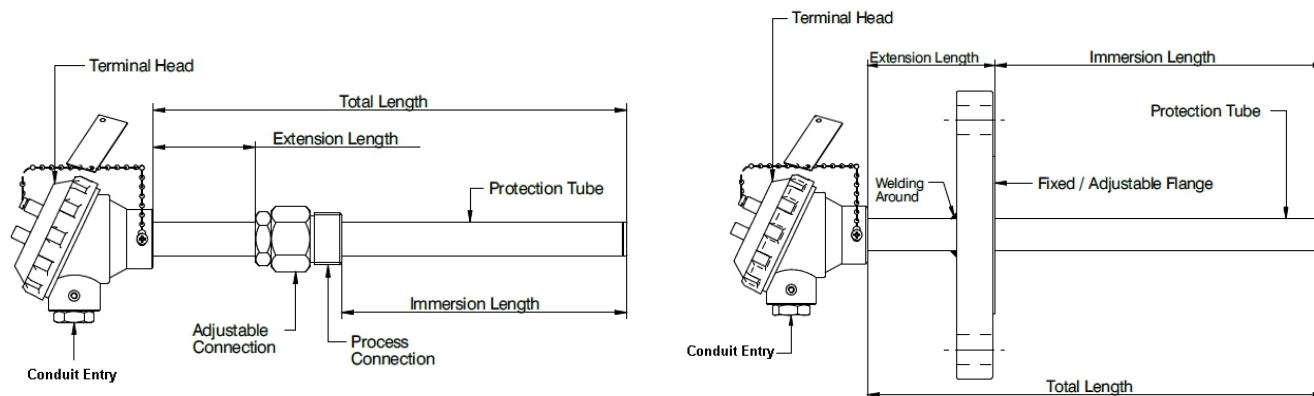
- Oil & Gas Industries
- Chemical & Petrochemical Industries
- Water & waste-water Treatment
- Power & Utilities
- Air & Flue gas Service
- Furnaces, Kilns & Ovens

Specifications

STANDARD VERSION

No. Of Element	: Simplex
Element Type	: PT-100 RTD
Range	: -200°C till 400°C
Accuracy	: Class 'B' Tolerance as per IEC-751 / DIN 43760
Wire Configuration	: 3 Wire
Sheath Diameter	: 6.0mm
Sheath Material	: AISI 316 SS
Head Enclosure	: Weather Proof IP 65
Enclosure Material	: Die-Cast Aluminum
Number of Conduit Entry	: Single Entry
Conduit Entry Size	: ¾" ET(F)
Head Extension Type	: Head with Female Threading
Immersion Length	: 300mm
Extension Length	: 100mm
Process Connection	: ½" BSP(M) / 1 ½" ANSI 150# RF (AISI 304 SS)

Dimensional Details :



Note: Drawings are not to scale. All Dimensions are in mm.

SELECTION OF MODEL

(1) MODEL CODE

(2) NO OF ELEMENT

SIMPLEX	S
DUPLEX (Above Sheath Dia. 5mm)	D

(3) ELEMENT

PT-100 RTD	PT01
PT-500 RTD	PT05
PT-1000 RTD	PT10

(4) WIRE CONFIGURATION

2 WIRE	2
3 WIRE	3
4 WIRE	4

(5) SHEATH DIAMETER

3.0mm	3.0
4.5mm	4.5
6.0mm	6.0
8.0mm	8.0

(6) HEAD ENCLOSURE

Weather Proof IP 65	W1
Weather Proof IP 67	W2
Screwed type, Flame Proof IP 67, GR. IIA, IIB	FP
Screwed type, Explosion Proof IP 67, Gr. IIC	EP
Hinged type, Weather Proof IP 67	HT

(7) ENCLOSURE MATERIAL

Die-cast Aluminum	DA
AISI 304 SS	S4
AISI 316 SS	S6

(8) NO. OF CONDUIT ENTRY

Single Entry	1
Double Entry	2

(9) CONDUIT ENTRY SIZE

3/4" ET(F)	3ET
1/2"NPT(F)	4NF
M20 x 1.5mm(F)	4MM

(10) PROTECTING TUBE MATERIAL

AISI 304 SS	S4
AISI 316 SS	S6
AISI 316L SS	S6L

(11) PROTECTING TUBE

Tube Ø10 x 8mm	P1
Tube Ø10 x 10mm	P2
Pipe 3/8" Sch. 40	P3
Pipe 3/8" Sch. 80	P4

Pipe 1/2" Sch. 40	P5
Pipe 1/2" Sch. 80	P6
Pipe 3/4" Sch. 40	P7
Pipe 3/4" Sch. 80	P8

RTD05

S

PT01

3

6

W1

DA

1

3ET

S6

P5

SELECTION OF MODEL

(12) PROCESS CONNECTION TYPE

Adjustable Connection	AD
Fixed Connection	FX

(13) PROCESS CONNECTION

1/2" NPT(M)	4NM
1/2" BSP(M)	4BM
3/4" NPT(M)	5NM
3/4" BSP(M)	5BM
M20x1.5mm(M)	4MM
1 1/2" ANSI 150# RF	B33

1 1/2" ANSI 300# RF	B34
1 1/2" ANSI 600# RF	B35
2" ANSI 150# RF	B39
2" ANSI 300# RF	B40
2" ANSI 600# RF	B41
Oval Flange	OF

(14) IMMERSION LENGTH

PLEASE SPECIFY IN MM

(15) EXTENSION LENGTH

PLEASE SPECIFY IN MM

(16) OPTIONS

Accuracy - Class "A" as per Standard	AA
Calibration Certificate	CC
SS Tag Plate	TS
Process Connection AISI 316 SS	S6
S.C. Cable Gland in Ni-Brass - WP	01
D.C. Cable Gland in Ni-Brass - WP	02
S.C. Cable Gland in SS 304 - WP	03
D.C. Cable Gland in SS 304 - WP	04
S.C. Cable Gland in SS 316 - WP	05
D.C. Cable Gland in SS 316 - WP	06

S.C. Cable Gland in Ni-Brass - FP	07
D.C. Cable Gland in Ni-Brass - FP	08
S.C. Cable Gland in SS 304 - FP	09
D.C. Cable Gland in SS 304 - FP	10
S.C. Cable Gland in SS 316 - FP	11
D.C. Cable Gland in SS 316 - WP	12
Plug for Conduit Entry in SS 304	13
Plug for Conduit Entry in SS 316	14
SS Base Plate for Transmitter	15
Head Mounted Transmitter (4-20mA)	16

Example	1	2	3	4	5	6	7	8	9
SELECTION OF MODEL	RTD05	S	PT1	3	6	W1	DA	1	3ET

Example	10	11	12	13	14	15	16
SELECTION OF MODEL	S6	P5	FX	XX	300mm	100mm	XX

Note:

- When Selecting Option "CC", Please also specify temp. Points at which calibration is to be carried out.
- Explanation of Abbreviations used.

S.C. - Single Compression	SS - Stainless Steel
D.C. - Double Compression	FP - Flame Proof
WP - Weather Proof	
- Other Sheath diameters, Materials and Connections are available, Please consult factory for more detail.

FX

XX

300mm

100mm

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