

#### Special Features :

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

#### Applications :

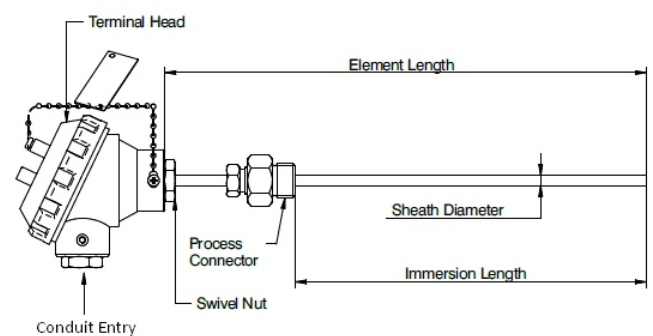
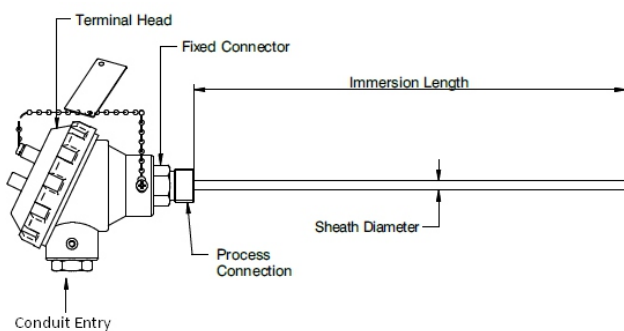
- Oil & Gas Industries
- Chemical & Petrochemical Industries
- Water & waste-water Treatment
- Power & Utilities

#### 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	: Fixed Threaded Connection
Immersion Length	: 300mm
Process Connection	: ½" BSP(M)

#### Dimensional Details :



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

# SELECTION OF MODEL

## (1) MODEL CODE

RTD02

## (2) NO OF ELEMENT

S

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

## (3) ELEMENT

PT01

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

## (4) SHEATH DIAMETER

3

2 WIRE	2
3 WIRE	3
4 WIRE	4

## (5) WIRE CONFIGURATION

6

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

## (6) HEAD ENCLOSURE

W1

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

## (7) ENCLOSURE MATERIAL

DA

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

## (8) NO. OF CONDUIT ENTRY

1

Single Entry	1
Double Entry	2

## (9) CONDUIT ENTRY SIZE

3ET

¾" ET(F)	3ET
½"NPT(F)	4NF
M20 x 1.5mm(F)	4MM

## (10) HEAD EXTENSION TYPE

FX

Fixed Threaded Connection	FX
Adjustable Threaded Connection	AD
Head without Threaded Connection	WT

## (11) IMMERSION LENGTH / ELEMENT LENGTH

300mm

PLEASE SPECIFY IN MM

# SELECTION OF MODEL

## (12) 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

## (13) OPTIONS

Accuracy - Class "A" as per Standard	AA
Calibration Certificate	CC
SS Tag Plate	TS
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	RTD02	S	PT1	3	6	W1	DA	1	3ET

Example	10	11	12	13
SELECTION OF MODEL	FX	300mm	4BM	XX

### Note:

- When Selecting Option "CC", Please also specify 3 diff. 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.

4BM

XX

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