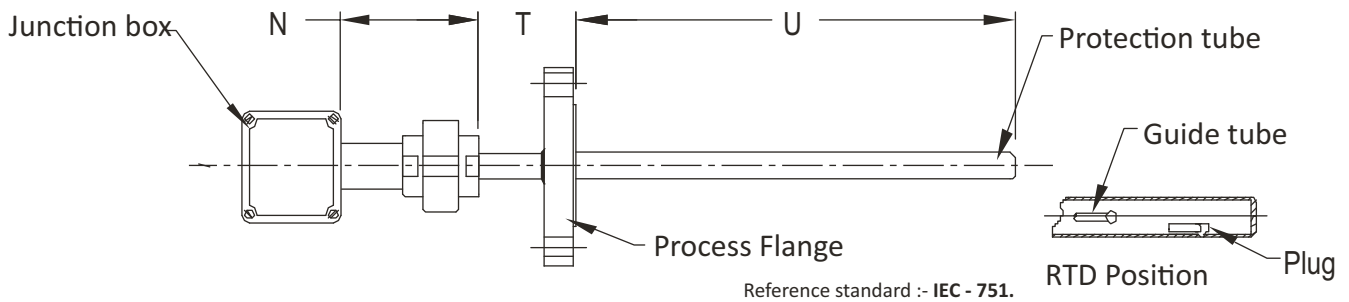


**MULTI - POINT RTD ASSEMBLY WITH PROTECTION TUBE AND GUIDE TUBE // RTD16**



**Special Features :**

- ★ Mineral insulation.
- ★ Available in all sheath diameters
- ★ Mineral insulation enables flexibility and Durability.
- ★ Enclosures in all material - Die cast Aluminium / Cast Iron / 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 Hservice application.)

**Application :**

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

**How to Order:**

Code	No of Element
S	Simplex
D	Duplex

1

Code	Element Type
Pt -100	Pt - 100 RTD

2

Code	Range
DST	-200°C till 449°C
NST	450°C till 600°C

3

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

4

Code	No of Point
2	2 RTD
3	3 RTD
4	4 RTD
5	5 RTD
6	6 RTD
9	9 RTD
12	12 RTD
Other, Please Specify	

5

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

6

Code	Sheath Diameter
3	3.0 mm
4.5	4.5 mm
6	6.0 mm
Consult factory for other size.	

7

Code	Guide Tube Diameter
6	6.0 mm
8	8.5 mm
10	10.0 mm

8

Code	Sheath Material
S6	SS 316

9

Code	Guide Tube Material
S6	SS 316

10

Code	Junction box Type
JWP	Junction box, weatherproof, IP-65 in die-cast Aluminium
JFP	Junction box, flamerproof Gr. IIA IIB in die-cast Aluminium
JEP	Junction box, explosionproof Gr.IIC in die-cast Aluminium
BWP	Weatherproof Head, IP-65 in die-cast Aluminium with cover fitted with two screws.

11

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

12

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

13

Code	Junction Box Extension Type
NU	Junction Box With Nipple & Union
F	Junction Box With Flexhose

14

Code	Protecting Tube Material
S6	SS 316

15

Code	Protecting Tube		
	Size	OD in mm	Thickness in mm
N40	1/2"Sch.40	21.3	2.77
N80	1/2"Sch.80	21.3	3.74
R40	1"Sch.40	33.4	3.4
R80	1"Sch.80	33.4	4.5
T40	1.5"Sch.40	48.3	3.7
T80	1.5"Sch.80	48.3	5.1
U40	2"Sch.40	60.3	3.9
U80	2"Sch.80	60.3	5.5
	Other, Please Specify		

16

Code	Flange Material
A105	ASTM A105 (CS)
F316	A182 F316
	Consult factory for other material.

17

Code	Flange Type / Size
FF	Fixed Flange (Specify Size)

18

Code	T/W Insertion Length "U"mm
U	Specify in mm.

19

Code	RTD Insertion Length
U1	Specify in mm.
U2	Specify in mm.
U3	Specify in mm.
U4	Specify in mm.
	Etc.

20

Code	T/W Extension Length "T"mm
T	Specify in mm.

21

Code	Junction Box Extension Length "N"mm
N	Specify in mm.

22

Code	Option Description
0	None
3	Junction Box in SS 304
4	Junction Box in SS 316
7	D.C. cable gland in nickel plated brass
9	D.C. cable gland in SS 304
12	D.C. cable gland in SS 316
16	Junction Box Extension in SS 304
17	Junction Box 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	Five Point Factory Calibration Certificate
SX	SS Tag Plate

23

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)

**RTD16** [S] (Pt-100) [DST] [B] [4] [3W] [3] [6] [S6] [S6] [JWP] [4] [A] [NU] [S6] [R40] [F316] [FF(2"150#RF)] [U=2000] [T=150] [N=200] [7]

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

U4=1200  
U3=1400  
U2=1600  
U1=1800