



• 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 |

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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                  | 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 |             |

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

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| Code                            | Sheath Diameter |
|---------------------------------|-----------------|
| 3                               | 3.0 mm          |
| 4                               | 4.0 mm          |
| 5                               | 5.0 mm          |
| 6                               | 6.0 mm          |
| Consult factory for other size. |                 |

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| Code | Sheath Material |
|------|-----------------|
| 316  | SS 316          |

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| Code | Junction box Type   |
|------|---|
| JWP  | Junction box, weatherproof, IP-65 in die-cast Aluminium                           |
| JFP  | Junction box, flameproof 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. |

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## 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.)

## APPLICATIONS:

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

| Code                  | No. Of Conduit Entry/Entries |
|-----------------------|------------------------------|
| 1                     | One                          |
| 2                     | Two                          |
| 4                     | Four                         |
| 6                     | Six                          |
| 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 | Junction Box Extension Type      |
|------|----------------------------------|
| NU   | Junction Box With Nipple & Union |
| F    | Junction Box With Flexhose       |

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| Code | Protecting Tube Material |
|------|--------------------------|
| 316  | SS 316                   |

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| 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 |                 |          |                 |

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| Code                                | Flange Material |
|-------------------------------------|-----------------|
| A105                                | ASTMA105 (CS)   |
| F316                                | A182 F316       |
| Consult factory for other material. |                 |

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

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

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

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

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

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| 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                         |
| 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                                       |

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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)

|              |   |          |       |    |   |    |   |     |     |    |    |    |     |     |      |              |        |    |
|--------------|---|----------|-------|----|---|----|---|-----|-----|----|----|----|-----|-----|------|--------------|--------|----|
| <b>RTD15</b> | 1 | (Pt-100) | FLM   | B  | 4 | 3W | 3 | 316 | JWP | 4  | B  | NU | 316 | R40 | F316 | FF(2"150#RF) | U=2000 |    |
|              | 1 | 2        | 3     | 4  | 5 | 6  | 7 | 8   | 9   | 10 | 11 | 12 | 13  | 14  | 15   | 16           | 17     | 18 |
|              |   | T=150    | N=200 | 7  |   |    |   |     |     |    |    |    |     |     |      |              |        |    |
|              |   | 19       | 20    | 21 |   |    |   |     |     |    |    |    |     |     |      |              |        |    |

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