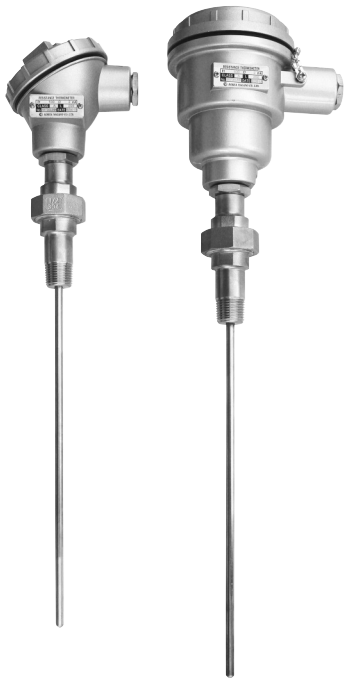
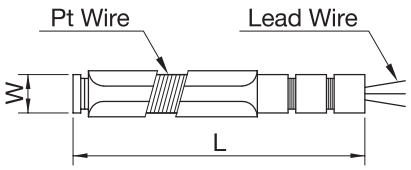


# Sheathed Type Resistance Temperature Detector(RTD)

## OUTLINE

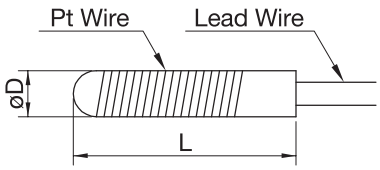
Resistance temperature detectors (RTD's) operate under the principle the electrical resistance of certain metals increase or decrease in a repeatable and predictable manner with a temperature change.
RTD's may have a lower temperature range than some thermocouples and a slower response time however they are more stable and repeatable over long periods of time.
RTD's are used in chemical and petrochemical industry, pulp and paper industry.
RTD's are available in the same configurations as thermocouples to suit applications.

Mica type platinum RTD element



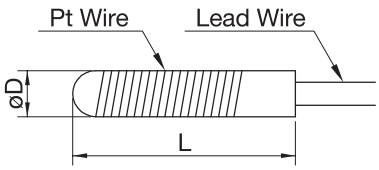

It is composed of a mica plate wound with a high purity platinum wire and sandwiched between two mica plates for insulation and between two stainless steel plate springs, and fixed tightly by stainless steel wires. Because of ease in handling and rigid structure, it is being used widely in industrial application.

Ceramic type platinum RTD element




It is composed of a coil-formed high purity platinum wire instead of bored of a fine polished recrystallized alumina ceramic body and fixed on its bottom by special heat resistance frit. As approximately 80% of the resistance wire is free of heat strain from temperature change, drift in resistivity is minimized and its reproducibility and long term stability are superior to any of conventional corewound element.

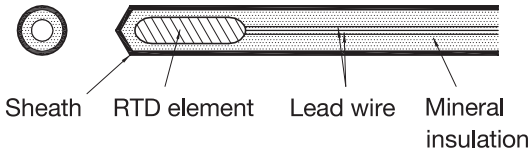
Glass sealed platinum RTD element




It is composed of a high purity platinum wire wound noninductively around a special glass body, of which resistivity at 0℃ is adjusted to fall within the respective standard ranges, instead of another special glass tube and heat sealed overall. Quick response and excellent in insulation, withstand voltage vibration and high resistance to liquid, chemicals and gases.

## FEATURES

- Sheathed RTD is a registered trade name of one metal sheathed RTD that has a monolithic structure comprising of sheathed element and MI cable (MgO compacted, metal sheathed lead wires). This is newly developed RTD with quick response, longer service and life and high accuracy under critical conditions.




- **Quick response**
- **High flexibility**
- **High accuracy**
- **Wide selection of specification :**
  Available for outer diameter from 3.2mm to 8.0mm and total length up to 150mm

- Sheathed RTD response time
  The time constants(63.2%) when sheathed RTD is immersed into 100℃(boiling water) from 0℃(ice bath)

  ○3.2 less than 2sec　　○6.4 less than 6sec
  ○4.8 less than 4sec　　○8.0 less than 11sec

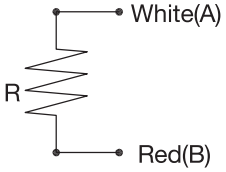
## GENERAL SPECIFICATION

Resistance temperature detectors(RTD's) operate under the principle the electrical resistance of certain metals increased or decreaseds in a repeatable and predictable manner with a temperature change. RTD's may have a lower temperature range than some thermocouples and a slower response time however they are more stable and repeatable over long periods of time.
RTD's are used in chemical and petrochemical industry, pulp and paper industry.
RTD's are available in the same configurations as thermocouples to suit applications.

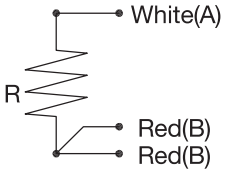
# Sheath type Resistance temperature detector (RTD)

## 1. Lead wires connection method

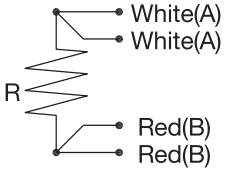
**- 2 wires connection :**
One wire is connected to one end of the RTD. Generally used when the changes in lead wires resistance due to ambient temperature change can be ignored.




**- 3 wires connection :**
Two wires are connected to one end of the RTD and one wires to the other. This is the most commonly used. The third wire compensates for changes in lead wire resistance.




**- 4 wires connection :**
Two wires are connected to each end of the RTD. This type of connection is used for high precision measurements.




## 2. Temperature tolerance

| Type | Nominal resistance (Ω at 0℃) | Resistance ratio R100/R0 | Class | Tolerance (℃) | Rated current (mA) |
|---|---|---|---|---|---|
| Pt100 | 100 | 1,3850 | A | ±(0.15+0.002t) | 1,2 |
| | | | B | ±(0.3+0.005t) | 1,25 |

∗ R100 is resistance value at 100℃
∗ R0 is resistance value at 0℃

| Measuring temp.(℃) | | -200 | -100 | 0 | 100 | 200 |
|---|---|---|---|---|---|---|
| Temp.(℃) | Class A | ±0.55 | ±0.35 | ±0.15 | ±0.35 | ±0.55 |
| | Class B | ±1.3 | ±0.8 | ±0.3 | ±0.8 | ±1.3 |
| Measuring temp.(℃) | | 300 | 400 | 500 | 600 | 650 |
| Temp.(℃) | Class A | ±0.75 | ±0.95 | ±1.15 | ±1.35 | ±1.45 |
| | Class B | ±1.8 | ±2.3 | ±2.3 | ±3.3 | ±3.6 |

## 3. Sheath tube specifications

| Dia. | Material |
|---|---|
| ø3.2 | 316SS |
| | INCONEL 600 |
| ø4.8 | 310SS |
| | 446SS |
| ø6.4 | 347SS |
| | 321SS |
| ø8.0 | Other |

## 4. Application specifications

• **Head** : Material - Aluminium alloy with metallic silver plating.
Type - General type & Ex-Proof type
Construction - Weather & Ex-Proof

• **Terminal block** :
Type : Single (3-wire System)
Double (6-wire System)
Material : Ceramic (General head)
Phenol resin (Ex-Proof head)

• **Cable gland** : JIS15b (PF1/2)
JIS20b (PF3/4)

• **Sheath element** :
Type - Pt100Ω, Pt50Ω at 0℃
Dia. - ø3.2, ø4.8, ø6.4, ø8 (Request)
Material - 316SS, 310SS, 347SS (Request)

• **Grade** :
A or B

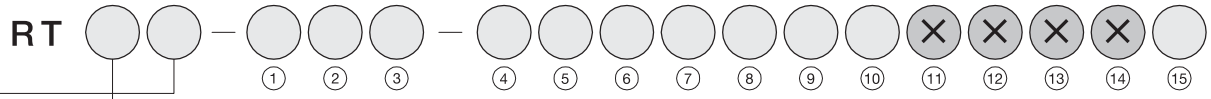
• **Connection** :
Type - Nipple 1/2", 3/4", Other (Request)
Union nipple 1/2", 3/4", Other (Request)
Length - 100mm(L), 150mm(L), Other (Request)
Size - 1/2"PT, 1/2"NPT, 3/4"PT, 3/4"NPT
Other (Request)

• **Sensing type** :
Fixed type
Spring load type

• **Insert length(L)** : by Request
∗ Thermowell is option (Request)

# Model number configuration (Sheathed type resistance Temp. detector(RTD))

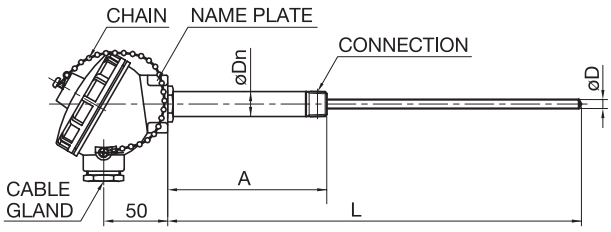
* For ordering, Please specify the model number and each spec.




| Model | Selective spec. | Option |
|---|---|---|
| Head & nipple | 1 General head with Nipple | 4 Ex-proof head with Union nipple |
| | 2 General head with Union nipple | 5 General head with Non nipple |
| | 3 Ex-proof head with Nipple | 6 General head with Non union nipple |
| Sensing type | 0 Nipple & Non welded sheath type (Use for well) | |
| | 1 Spring load type | |
| | 2 Nipple & Welded sheath type (Without well) | |
| | 3 Direct compression fitting type | |
| | 4 Remote with Compression fitting type | |
| ① Terminal block | 1 Single type (3-Wire system) | |
| | 2 Double type (6-Wire system) | |
| ② Element type | 1 Pt100 Ω at 0℃ | |
| | 5 Pt50 Ω at 0℃ | |
| ③ Type of connection | 3 PF3/8 | 4 PF1/2 / E PF3/4 |
| | 8 PT3/8 | 9 PT1/2 / F PT3/4 |
| | C NPT3/8 | D NPT1/2 / G NPT3/4 |
| | X Other (Request) | |
| ④ Sheath dia. | 3 3.2mm | 8 8mm |
| | 4 4.8mm | X Other (Request) |
| | 6 6.4mm | |
| ⑤ Grade | A A Class | |
| | B B Class | |
| ⑥ Sheath material | 6 316SS / 7 347SS / X Other | |
| | 0 310SS / I Inconel | |
| ⑦ Nipple length | 1 100mm / 2 200mm | |
| | 5 150mm / X Other (Request) | |
| ⑧ Cable gland | 1 JIS 15b (PF1/2") | |
| | 2 JIS 20b (PF3/4") | |
| | 3 Other | |
| ⑨ Length "L" | L By request | |
| ⑩ Option | 0 Nil | |
| | 1 Please specify your requirement (Thermowell) | |
| ⑮ Document | 0 Nil | |
| | 1 Required | |

# Outline dimension & Specifications (Sheath type RTD)

## Model : RT10 - □□□



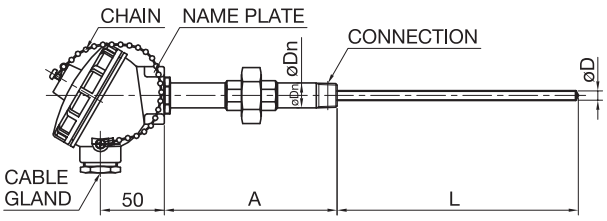

### GENERAL SPECIFICATION

1. **MODEL** : RT10 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (GENERAL)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : CERAMIC
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : WEATHER PROOF
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC OR MICA) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 316SS □ 310SS □ 347SS □ INCONEL □ OTHER
11. **NIPPLE SIZE (Dn), MAT'L** _____
    □ 1/2B (21.7mm) □ 3/4B (27.2mm)
12. **NIPPLE LENGTH (A mm)**
    □ 50 □ 100 □ 150 □ OTHER
13. **CONNECTION**
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT
14. **LENGTH "L"** _____(mm)

Title

General head with Nipple type sheathed RTD

## Model : RT20 - □□□




### GENERAL SPECIFICATION

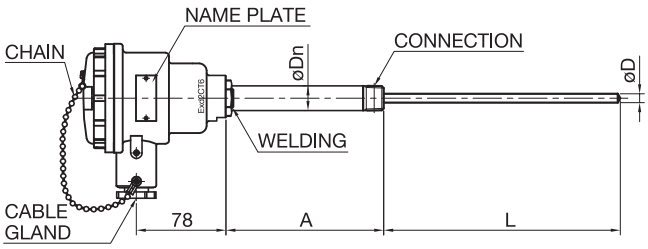
1. **MODEL** : RT20 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (GENERAL)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : CERAMIC
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : WEATHER PROOF
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 304SS □ 316SS □ INCONEL □ OTHER
11. **UNION & NIPPLE SIZE (Dn), MAT'L** _____
    □ 1/2B (21.7mm) □ 3/4B (27.2mm)
12. **UNION & NIPPLE LENGTH (A mm)**
    □ 100 □ 150 □ OTHER
13. **CONNECTION**
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT
14. **LENGTH "L"** _____(mm)

Title

General head with Union nipple type sheathed RTD

# Outline dimension & Specifications (Sheath type RTD)

## Model : RT30 - □□□



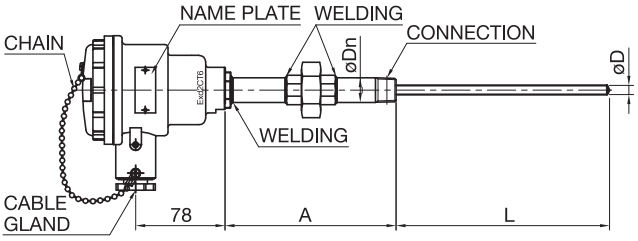

### GENERAL SPECIFICATION

1. **MODEL** : RT30 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (EX-PROOF ExdIICT6)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : PHENOL RESIGN
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : ExdIICT6
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 316SS □ 310SS □ 347SS □ INCONEL □ OTHER
11. **NIPPLE SIZE (Dn), MAT'L** _____
    □ 1/2B (21.7mm) □ 3/4B (27.2mm)
12. **NIPPLE LENGTH (A mm)**
    □ 50 □ 100 □ 150 □ OTHER
13. **CONNECTION**
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT
14. **LENGTH "L"** _____(mm)

Title

Ex-Proof head with Nipple type sheathed RTD

## Model : RT40 - □□□




### GENERAL SPECIFICATION

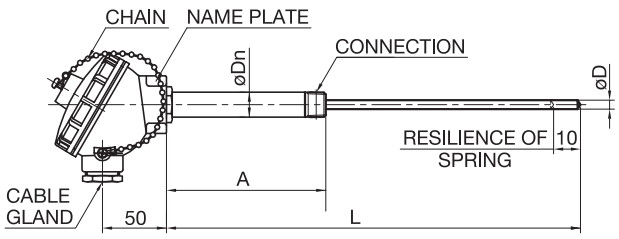
1. **MODEL** : RT40 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (EX-PROOF ExdIICT6)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : PHENOL RESIGN
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : ExdIICT6
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 304SS □ 316SS □ INCONEL □ OTHER
11. **UNION & NIPPLE SIZE (Dn), MAT'L** _____
    □ 1/2B (21.7mm) □ 3/4B (27.2mm)
12. **UNION & NIPPLE LENGTH (A mm)**
    □ 100 □ 150 □ OTHER
13. **CONNECTION**
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT
14. **LENGTH "L"** _____(mm)

Title

Ex-Proof head with Union nipple type sheathed RTD

# Outline dimension & Specifications (Sheath type RTD)

## Model : RT11 - □□□



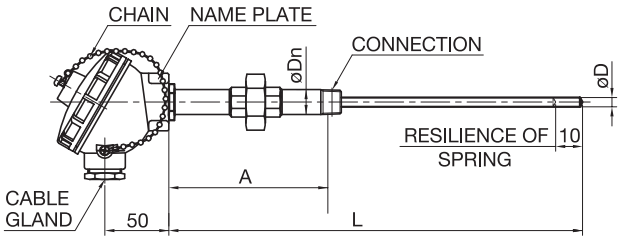

### GENERAL SPECIFICATION

1. **MODEL** : RT11 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (GENERAL)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : CERAMIC
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : WEATHER PROOF
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 316SS □ 310SS □ 347SS □ INCONEL □ OTHER
11. **NIPPLE SIZE (Dn), MAT'L** _____
    □ 1/2B (21.7mm) □ 3/4B (27.2mm)
12. **NIPPLE LENGTH (A mm)**
    □ 50 □ 100 □ 150 □ OTHER
13. **CONNECTION**
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT
14. **SPRING LOAD TYPE**
15. **LENGTH "L"** _____(mm)

**Title**

General head with Nipple type
spring load sheathed RTD

## Model : RT21 - □□□




### GENERAL SPECIFICATION

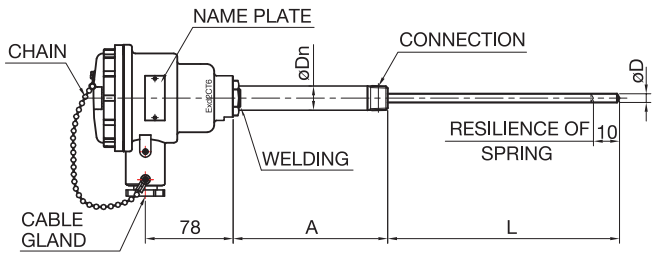
1. **MODEL** : RT21 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (GENERAL)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : CERAMIC
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : WEATHER PROOF
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 304SS □ 316SS □ INCONEL □ OTHER
11. **UNION & NIPPLE SIZE (Dn), MAT'L** _____
    □ 1/2B (21.7mm) □ 3/4B (27.2mm)
12. **UNION & NIPPLE LENGTH (A mm)**
    □ 100 □ 150 □ OTHER
13. **CONNECTION**
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT
14. **SPRING LOAD TYPE**
15. **LENGTH "L"** _____(mm)

**Title**

General head with Union nipple type
spring load sheathed RTD

# Outline dimension & Specifications (Sheath type RTD)

## Model : RT31 - □□□



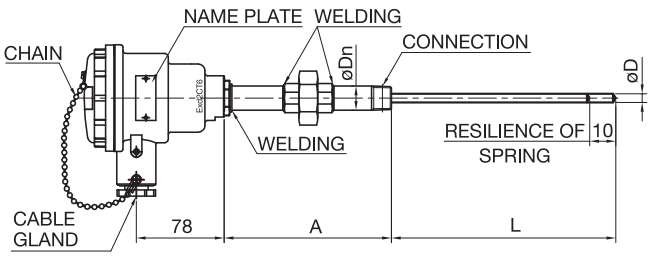

### GENERAL SPECIFICATION

1. **MODEL** : RT31 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (EX-PROOF ExdIICT6)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : PHENOL RESIGN
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : ExdIICT6
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 316SS □ 310SS □ 347SS □ INCONEL □ OTHER
11. **NIPPLE SIZE (Dn), MAT'L** _____
    □ 1/2B (21.7mm) □ 3/4B (27.2mm)
12. **NIPPLE LENGTH (A mm)**
    □ 50 □ 100 □ 150 □ OTHER
13. **CONNECTION**
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT
14. **SPRING LOAD TYPE**
15. **LENGTH "L"** _____(mm)
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT

Title

Ex-Proof head with Nipple type
spring load sheathed RTD

## Model : RT41 - □□□




### GENERAL SPECIFICATION

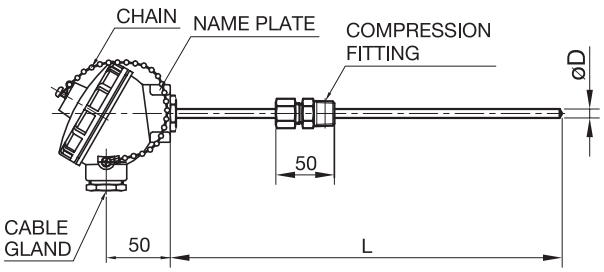
1. **MODEL** : RT41 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (EX-PROOF ExdIICT6)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : PHENOL RESIGN
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : ExdIICT6
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 304SS □ 316SS □ INCONEL □ OTHER
11. **UNION & NIPPLE SIZE (Dn), MAT'L** _____
    □ 1/2B (21.7mm) □ 3/4B (27.2mm)
12. **UNION & NIPPLE LENGTH (A mm)**
    □ 100 □ 150 □ OTHER
13. **CONNECTION**
    □ 1/2PT □ 1/2NPT □ 3/4PT □ 3/4NPT
14. **SPRING LOAD TYPE**
15. **LENGTH "L"** _____(mm)

Title

Ex-Proof head with Union nipple type
spring load sheathed RTD

# Outline dimension & Specifications (Sheath type RTD)

## Model : RT53 - □□□



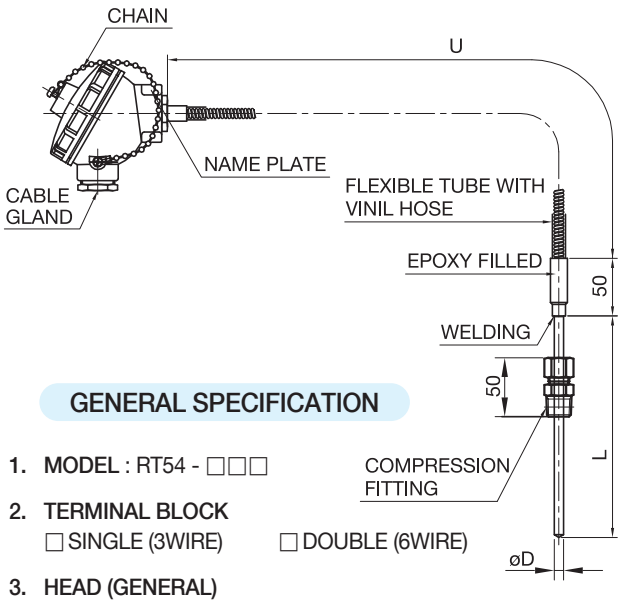

### GENERAL SPECIFICATION

1. **MODEL** : RT53 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (GENERAL)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : CERAMIC
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : WEATHER PROOF
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **CONNECTION MAT'L** : □ 304SS □ 316SS □ OTHER
9. **CONNECTION (COMPRESSION FITTING TYPE)**
   □ 3/8PT □ 1/2PT □ 3/8NPT □ 1/2NPT
10. **GRADE** : □ A □ B
11. **PROTECTION TUBE OUTER DIAMETER (D)**
    □ 4.8 □ 6.4 □ 8 □ OTHER
12. **PROTECTION TUBE MATERIAL**
    □ 316SS □ 310SS □ 347SS □ INCONEL □ OTHER
13. **LENGTH "L"** _____(mm)

**Title**

General head with Non nipple
compression fitting type sheathed RTD

## Model : RT54 - □□□




### GENERAL SPECIFICATION

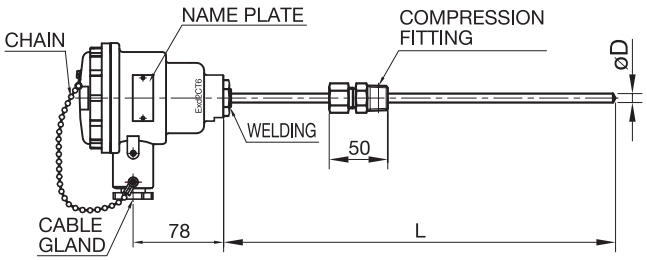
1. **MODEL** : RT54 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (GENERAL)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : CERAMIC
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : WEATHER PROOF
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 316SS □ 310SS □ 347SS □ INCONEL □ OTHER
11. **CONNECTION MAT'L** _____
    □ 304SS □ 316SS □ OTHER
12. **CONNECTION (COMPRESSION FITTING)**
    □ 1/4PT □ 3/8PT □ 1/2PT □ OTHER
13. **FLEXIBLE TUBE LENGTH "U"** : _____(mm)
14. **LENGTH "L"** _____(mm)
15. **MOUNTING BRACKET IS REQUEST (OPTION)**

**Title**

General head with Remote type
compression fitting sheathed RTD

# Outline dimension & Specifications (Sheath type RTD)

## Model : RT63 - □□□



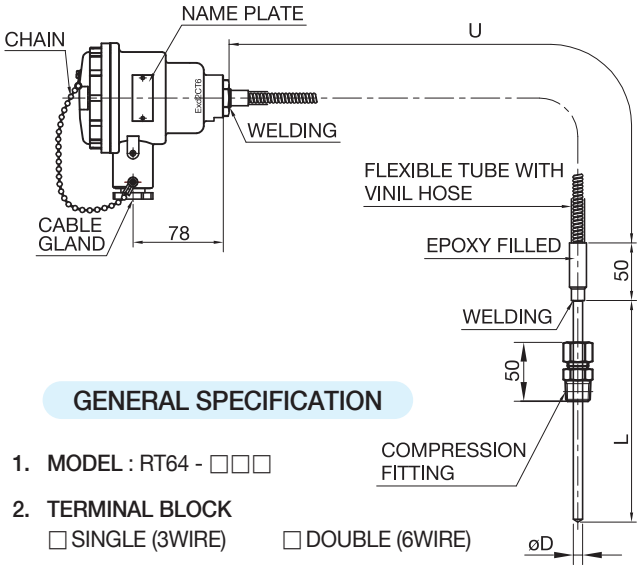

### GENERAL SPECIFICATION

1. **MODEL** : RT63 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (ExdIICT6)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : PHENOL RESIGN
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : ExdIICT6
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **CONNECTION MAT'L** : □ 304SS □ 316SS □ OTHER
9. **CONNECTION (COMPRESSION FITTING TYPE)**
   □ 1/4PT □ 3/8PT □ 1/2PT □ OTHER
10. **GRADE** : □ A □ B
11. **PROTECTION TUBE OUTER DIAMETER (D)**
    □ 4.8 □ 6.4 □ 8 □ OTHER
12. **PROTECTION TUBE MATERIAL**
    □ 316SS □ 310SS □ 347SS □ INCONEL □ OTHER
13. **LENGTH "L"** _____(mm)

Title

Ex-Proof head with Non nipple type
compression fitting type sheathed RTD

## Model : RT64 - □□□




### GENERAL SPECIFICATION

1. **MODEL** : RT64 - □□□
2. **TERMINAL BLOCK**
   □ SINGLE (3WIRE) □ DOUBLE (6WIRE)
3. **HEAD (ExdIICT6)**
   MATERIAL : ALUMINIUM ALLOY
   SURFACE COLOR : METALLIC SILVER
   TERMINAL BLOCK MATERIAL : PHENOL RESIGN
4. **PROTECTION TUBE** : SHEATHED
5. **CONSTRUCTION** : ExdIICT6
6. **CABLE GLAND**
   □ JIS15b □ JIS20b
7. **ELEMENT TYPE (CERAMIC) at 0°C**
   □ Pt100 (ohm) □ Pt50 (ohm)
8. **GRADE** : □ A □ B
9. **PROTECTION TUBE OUTER DIAMETER (D)**
   □ 4.8 □ 6.4 □ 8 □ OTHER
10. **PROTECTION TUBE MATERIAL**
    □ 316SS □ 310SS □ 347SS □ INCONEL
11. **CONNECTION MAT'L** _____
    □ 304SS □ 316SS □ OTHER
12. **CONNECTION (COMPRESSION FITTING)**
    □ 1/4PT □ 3/8PT □ 1/2PT □ OTHER
13. **FLEXIBLE TUBE LENGTH "U"** : _____(mm)
14. **LENGTH "L"** _____(mm)
15. **MOUNTING BRACKET IS REQUEST (OPTION)**

Title

Ex-Proof head with Remote type
compression fitting sheathed RTD