

RT Series - RTD THERMOCOUPLE



Terminal head type - RTD or Thermocouple Element

ELECTRONIC TEMPERATURE SENSORS



- ▶ Thermocouple or RTD
- ▶ Cast Aluminium, Stainless steel sensor
- ▶ Weather proof
- ▶ Welded or Spring loaded type

Technical Specification

| | |
|--------------------|--|
| Model | Sensor Type |
| RT-RTD | RTD PT100Ω |
| RT-TCK | Type K |
| RT-TCS | Type S |
| RT-TCR | Type R |
| Hot Junction | T/C : Ungrounded RTD : Platinum 3-wire |
| Connection | Process connection ¼", ½", ¾", 1" Welded or Sliding connection |
| Insulation | Ceramic cell |
| Head | Cast aluminium, Indonesia finest material |
| Conduit Connection | ¾" NPT Female |
| Temperature Range | 0.. 1450°C depend on element type |
| *Option | <ul style="list-style-type: none"> • Flanged process connection • Ceramic sensor • Other element type • Spring loaded connection • Explosion proof head • Stainless steel name tag • Thermowell |

FEATURES

The weather proofed head provides a conduit connection and is available in case aluminium (screw cover). The sensor is welded directly to connection or screw in to the thermocouple head. The spring loaded to provide maximum sensitivity. The spring loaded stem must always installed in a thermowell.

- Extension wire and transmitter accessories are also available. Please consult the Temperature Sensor Accessories Section for details.
- For applications where the process media may be corrosive or contained under pressure, the use of a thermowell is required to prevent damage to the sensor and facilitate its removal from the process. To prevent leakage of the process media, spring loaded sensors must always be installed in a thermowell.

ORDERING CODE

| MODEL | Temperature range | Sensor Length | Hot Junction | Connection & Size | *OPTION |
|--|---|------------------------------------|---------------------------------|--|---|
| RT-RTD RTD PT100Ω RT-TCK Type K RT-TCS Type S RT-TCR Type R | Max. 600°C Max. 1260°C Max. 1450°C Max. 1450°C | Specify sensor Length and diameter | 3 3 Wire RTD U Ungrounded TC | WD Welded Connection SC Sliding Connection SL Spring Loaded N4 ¼"NPT G4 ¼"BSP N2 ½"NPT G2 ½"BSP N3 ¾"NPT G3 ¾"BSP N1 1"NPT G1 1" BSP | FL Flanged connection CS Ceramic sensor XX Other element type EX Explosion proof head SS SS name tag TW Thermowell |

TC Series - RTD THERMOCOUPLE



Terminal head type - RTD or Thermocouple Element

ELECTRONIC TEMPERATURE SENSORS



- ▶ Thermocouple or RTD
- ▶ Cast Aluminium, Stainless steel sensor
- ▶ Weather proof
- ▶ Welded or Spring loaded type

Technical Specification

| | |
|--------------------|--|
| Model | Sensor Type |
| TC-RTD | RTD Thermocouple |
| Hot Junction | T/C : Ungrounded RTD : Platinum 3-wire |
| Connection | Process connection 1/4", 1/2", 3/4", 1" Welded or Sliding connection |
| Insulation | Ceramic cell |
| Head | Cast aluminium, Indonesia finest material |
| Conduit Connection | 3/4" NPT Female |
| Temperature Range | 0.. 1450°C depend on element type |
| *Option | <ul style="list-style-type: none"> • Flanged process connection • Ceramic sensor • Other element type • Spring loaded connection • Explosion proof head • Stainless steel name tag • Thermowell |

FEATURES

The weather proofed head provides a conduit connection and is available in case aluminium (screw cover). The sensor is welded directly to connection or screw in to the thermocouple head. The spring loaded to provide maximum sensitivity. The spring loaded stem must always installed in a thermowell.

- Extension wire and transmitter accessories are also available. Please consult the Temperature Sensor Accessories Section for details.
- For applications where the process media may be corrosive or contained under pressure, the use of a thermowell is required to prevent damage to the sensor and facilitate its removal from the process. To prevent leakage of the process media, spring loaded sensors must always be installed in a thermowell.

ORDERING CODE

| MODEL | Temperature range | Sensor Length | Hot Junction | Connection & Size | *OPTION |
|-----------------------------------|---------------------------|------------------------------------|---------------------------------|---|---|
| RTD RTD PT100Ω TC Thermocouple | Max. 600°C Max. 1450°C | Specify sensor Length and diameter | 3 3 Wire RTD U Ungrounded TC | WD Welded Connection SC Sliding Connection SL Spring Loaded N4 1/4"NPT G4 1/4"BSP N2 1/2"NPT G2 1/2"BSP N3 3/4"NPT G3 3/4"BSP N1 1"NPT G1 1"BSP | FL Flanged connection CS Ceramic sensor XX Other element type EX Explosion proof head SS SS name tag TW Thermowell |