

TEMPERATURE SENSOR

RTTC-WS RING TERMINAL THERMOCOUPLE TEMPERATURE SENSOR

Ruggedized Ring Terminal Temperature Sensor

FEATURES

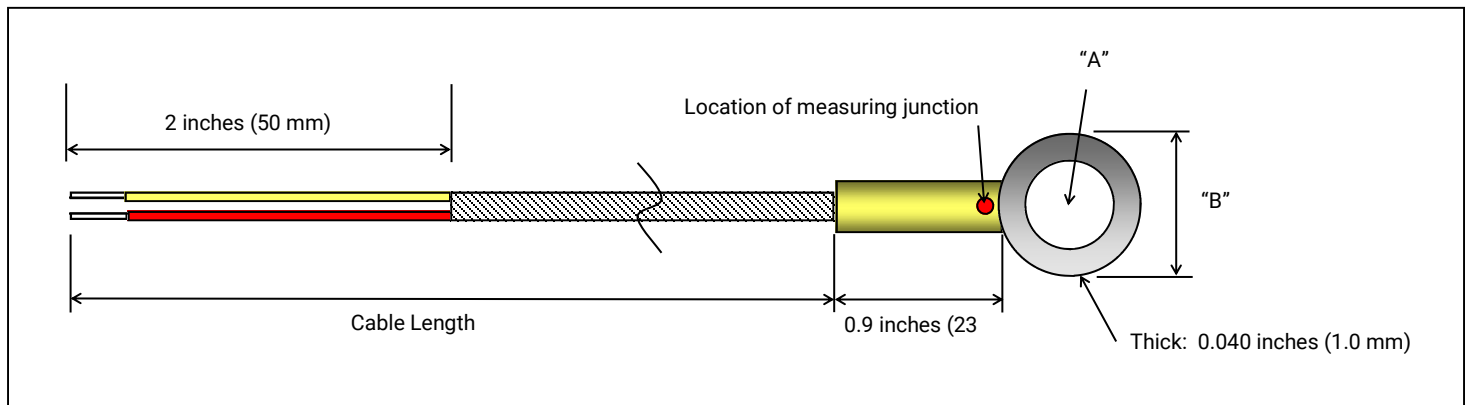
- Made with special limits of error materials
- Bolt or screw mounted
- Available with 10 mm, 12 mm, or 14 mm ring I.D.
- Made in the USA
- Designed for industrial applications



SPECIFICATIONS

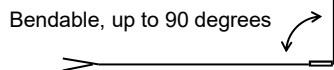
Thermocouple type: J, K, T, or E
Max Measuring Range: 400°F (204°C)
Accuracy: Greater of +/-0.4% of reading or +/- 1.1°C (Special Limits of Error)

Sensing Junction: Grounded or Ungrounded
Response Time*: Grounded = ~1500 mS, Ungrounded = ~750 mS
***Time Constant:** Defined as the time required to reach 63.2% of an instantaneous temperature change
 Five time constants are required to approach 100% of the step change value



DIMENSIONS

| | "A" (I.D.) | "B" (O.D.) |
|-------|---------------------|---------------------|
| 10 mm | 10.0 mm [0.39 inch] | 15.0 mm [0.59 inch] |
| 12 mm | 12.0 mm [0.48 inch] | 19.0 mm [0.77 inch] |
| 14 mm | 14.5 mm [0.57"inch] | 20.0 mm [0.80 inch] |



ORDERING INFORMATION

| Model | Type | Hole I.D. | Measuring Junction | Cable Length | Cable Insulation | Connector |
|-----------------|--------------------------|---|----------------------------|--|--|---|
| RTTC-WS- | <input type="checkbox"/> | - <input type="checkbox"/> <input type="checkbox"/> | - <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | E E J J K K T T | 10 10 mm 12 12 mm 14 14 mm | G Grounded U Ungrounded | 072 72 inches 144 144 inches 300 300 inches | A FEP B FEP with Stainless Steel C PFA D PVC E Fiberglass (to 900°F) F High Temp Fiberglass (to 1200°F) G Kapton | 0 Bare Ends 1 Mini Jack 2 Mini Plug 3 Standard Jack 4 Standard plug |

EXAMPLE

RTTC-WS-K-14-G072A2: Type K thermocouple, 14 mm ring I.D., Grounded, 72 inch long cable, FEP cable insulation, Mini plug connector

