

TEMPERATURE SENSOR

RTTC-WS RING TERMINAL THERMOCOUPLE TEMPERATURE SENSOR

Ruggedized Ring Terminal Temperature Sensor

FEATURES

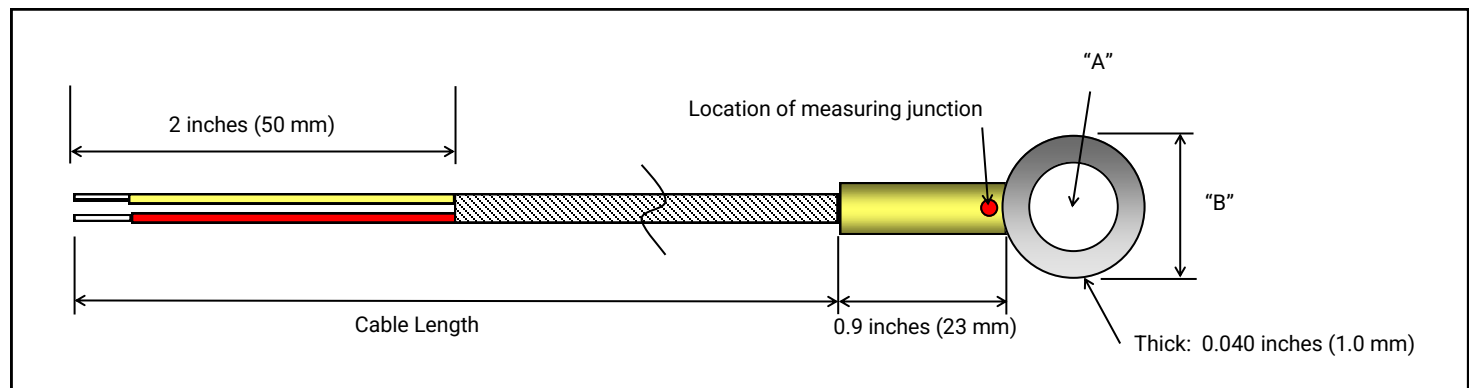
- Made with special limits of error materials
- Bolt or screw mounted
- Available with 10 mm, 12 mm, or 14 mm ring I.D.
- Made in the USA
- Designed for industrial applications



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)

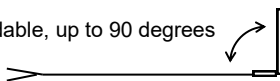
Sensing Junction: Grounded or Ungrounded
Response Time*: Grounded = ~750 mS, Ungrounded = ~1500 mS
***Time Constant:** Defined as the time required to reach 63.2% of an instantaneous temperature change
Five time constants are required to approach 100% of the step change value



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] |

Bendable, up to 90 degrees



ORDERING INFORMATION

| Model | Type | Hole I.D. | 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 (rated to 400°F) B = FEP with Stainless Steel Over Braid (SSOB) (rated to 400°F) C = PFA (rated to 500°F) D = PVC (rated to 194°F) E = Fiberglass (rated to 900°F) F = High Temperature Fiberglass (rated to 1200°F) G = Kapton (rated to 550°F) H = Fiberglass (rated to 900°F) with SSOB I = FEP - Twisted wire, Shielded with Drain (rated to 400°F) | 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

CUSTOM CONFIGURATIONS AVAILABLE UPON REQUEST

