

Patented Cold End Seal Safeguards Sensors from Contaminants

Watlow's ENVIROSEAL™ cold end seal keeps moisture, oil and other contaminants from the RTD sensor maintaining the integrity of the most demanding application. If your application requires more protection than standard, cold end epoxy splashguards, Watlow's ENVIROSEAL RTD will provide the accurate, dependable measurements you need.

ENVIROSEAL RTD sensors use a patented cold end formed seal which houses a rubber gland. This unique seal replaces the previous epoxy seal and provides protection from a wide variety of chemicals including bleach, ammonia, salt water, motor oil, boric acid and nitrous acid.

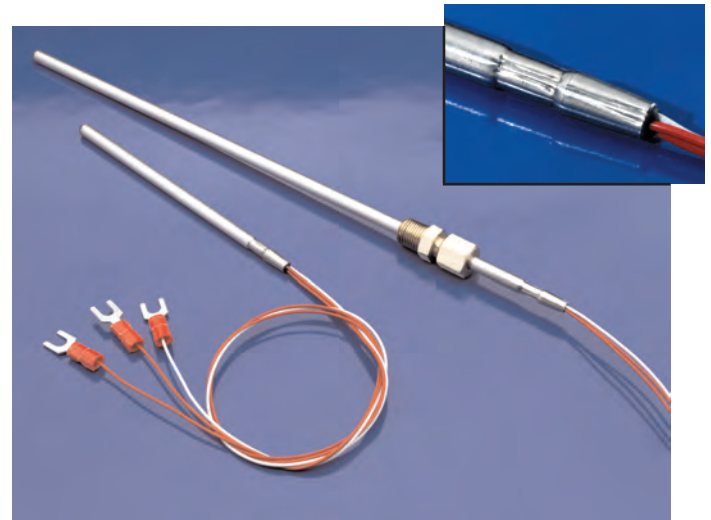
Applications

- Refrigeration or condensation units
- Food processing and storage
- Industrial ovens or dryers
- Medical research
- Environmental control systems
- Packaging equipment

Specifications

- Watlow Style RB
- 100 and 1000 ohm DIN 43760 (0.00385 ohm/ohm/°C)
- Single element class A or B, 2-or 3-wire
- Diameters of 0.188 in. (4.78 mm) and 0.250 in. (6.35 mm) from 2 to 24 in. (50.8 to 609.6 mm) long 316SS sheath material
- Single leads PFA insulated Teflon®. Available in one foot increments from one to 11 feet
- Variety of fitting and termination options available

Teflon® is a registered trademark of E.I. duPont de Nemours & Company.



Features and Benefits

Sensor temperature rating -50 to 260°C (-58 to 500°F)

- Offers a wide range covering numerous industrial applications

Cold end ENVIROSEAL

- Unique patent pending feature grips leads to prevent wire pull out for up to 15 lbs of pull out force
- Moisture resistance tested in humidity chamber to ASTM E644 paragraph 15
- Temperature rating -50 to 204°C (-58 to 400°F)

Vibration resistant design

- Provides a robust design for a variety of industrial applications

Designed to meet IEC60751, BS 1904 and EN60751 standards

- Worldwide recognition for a wide range of design features and testing parameters including thermal response time, self heating, immersion error and mechanical shock



ISO 9001

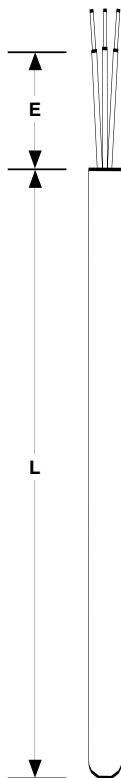


Registered Company
Richmond, Illinois USA

RIC-ERS-0907

Style RB RTD

Standard Industrial Teflon®
Insulated Leads



Note: Single leads only.

Ordering Information

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
R B B 0 A 0

3. Sheath O.D. (inch)

H = 0.188

J = 0.250

4. Lead Wire Construction

Standard PFA or TFE Stranded

5. Fittings

If required consult factory

6. Leadwire Termination

T = Standard leads

U = Leads with spade lugs

7. Sheath Construction

-50 to 260°C (-58 to 500°F), 316 SS

Standard Industrial

8-9. Sheath Length "L" [Ⓢ]

Whole inches: 02 to 24 in.

10. Sheath Length "L" (fractional inch) [Ⓢ]

0 = Not required, complete assembly

1 = 1/8 5 = 5/8

2 = 1/4 6 = 3/4

3 = 3/8 7 = 7/8

4 = 1/2

11. Element

2-Wire 3-Wire

100Ω Single **A**

B

1000Ω Single **J**

K

12. Temperature Coefficient

DIN 0.00385

Class A **A**

Class B **B**

13-14. Leadwire Length (foot)

Whole feet: 01 to 11

15. Special Requirements

[Ⓢ] 8, 9 and 10 cannot exceed 24 inches.

To be automatically connected to the nearest North American Technical and Sales Office:

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