

RTD-100-HT

Temperature Sensor

Product Specifications

Application . . .

Electric Heat Tracing Control

The RTD-100-HT is designed for use as control input for freeze protection and temperature maintenance applications requiring pipewall or tankwall temperature sensing.

A cast-aluminum NEMA 4/7 enclosure and terminal block assembly allows ease of field wiring. The sensor housing and mounting pad provide mounting support while ensuring accuracy in temperature sensing.

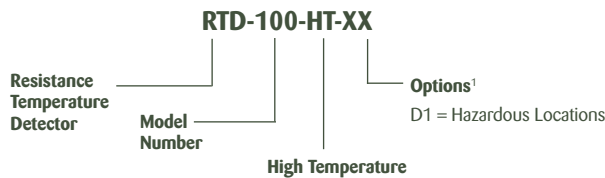
The RTD-100-HT is suitable for use in heat tracing applications where surface temperatures do not exceed 1200°F (649°C).

Ratings/Specifications . . .

Electrical connectionceramic strip w/brass terminals
 Enclosure rating.....NEMA 4/7
 Enclosure hub size.....3/4" NPT female hub
 RTD leads..... 22 AWG fluoropolymer
 RTD type.....3-wire platinum thin film
 RTD resistance..... 100 ohms at 32° (0°C)
 RTD calibration

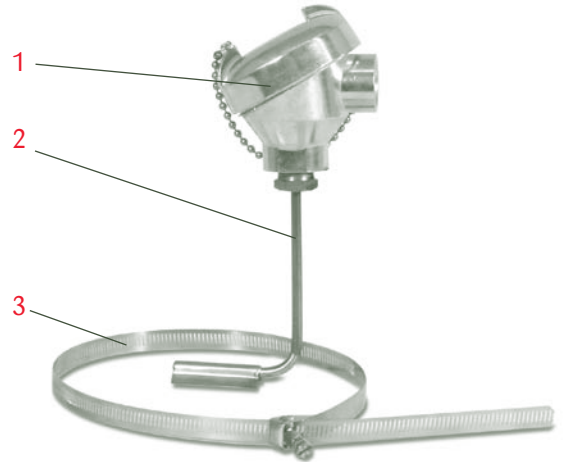
Per ASTM E1137, DIN standard 43760/BS1904/IEC 751
 Temperature coefficient.....00385 Ohms/Ohms - °C
 Maximum sensor temperature..... 1200°F (649°C)
 Sensor housing material 316 stainless steel

Product Reference Legend . . .



Note . . .

1. For additional options or enclosure materials contact Therman.



Construction . . .

- 1 Junction Box With Terminal Strip
- 2 RTD Housing
- 3 Pipe Strap for Pipe Diameters to 8" (200 mm) (purchased separately)

Certifications/Approvals . . .



Canadian Standards Association

The RTD-100-HT is CSA certified for use in North America.

Ordinary Locations

Hazardous (Classified) Locations

Class I, Division 2, Groups A, B, C and D

Class II, Division 2, Groups E, F and G

The RTD-100-HT-D1 (pictured at left) is provided with a cast aluminum enclosure and is CSA certified for use in North America.



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Class II, Division 2, Groups E, F and G

