RTD-100-HT
Temperature Sensor

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 connection ............ceramic 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 . . .

RTD-100-HT-XX

Resistance Temperature Detector
Model Number
High Temperature
Options
D1 = Hazardous Locations

Note . . .
1. For additional options or enclosure materials contact Thermon.

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.

Ordinary Locations
Hazardous (Classified) Locations
Class I, Division 1, Groups A, B, C and D
Class II, Division 2, Groups E, F and G