**RTD-MI-120-HT**  
Temperature Sensor

**Application . . .**

**Electric Heat Tracing Control**
The RTD-MI-120-HT is designed for use as control input for freeze protection and temperature maintenance applications requiring pipewall or tankwall temperature sensing.

The RTD-MI-120-HT features mineral insulated lead wire construction. RTD assembly includes 1/2” NPT connector. Enclosure to be provided by others.

The RTD-MI-120-HT is suitable for use in heat tracing applications where surface temperatures do not exceed 1100°F (593°C).

**Ratings/Specifications . . .**

- RTD lead wire: mineral insulated
- RTD lead length: 120” (3 m) (other lengths available)
- 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: 0.00385 Ohms/Ohms - °C
  - Maximum sensor temperature: 1100°F (593°C)
  - Sensor sheath material: 316 stainless steel
  - Sensor sheath diameter: 0.25” (64 mm)

**Construction . . .**

1. RTD Temperature Sensor  
2. Mineral Insulated Lead Wire ("X" inches long)  
3. Pigtail Wires  
4. 1/2” NPT Connector

**Certifications/Approvals . . .**

Canadian Standards Association
Ordinary Locations  
Hazardous (Classified) Locations  
Class I, Division 2, Groups A, B, C and D

**Product Reference Legend . . .**

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**Note . . .**

1. For additional options contact Thermon.