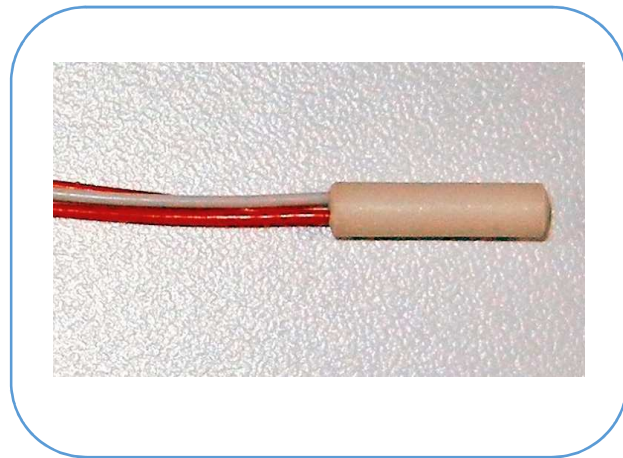


Ceramic Housing RTD Temperature Sensor



Platinum RTD element encapsulated in ceramic housing, PTFE insulated lead wires

Applications

- Temperature probe assembly
- Heating, ventilating, and air conditioning
- Laboratory instrumentation
- Laboratory ovens
- Applications requiring an electrically insulating or non-metallic sensor body

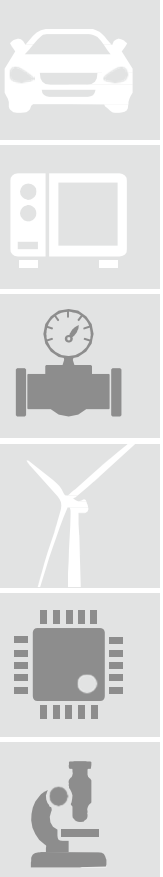
Features

- Alumina ceramic housing provides excellent electrical isolation
- Small diameter (0.135", 3.43mm) allows insertion into metal housings with OD of 0.156" (3.96mm) & larger
- Widely used for a variety of temperature-sensing applications
- Available in Pt100 or Pt1000 resistance values
- +260°C maximum operating temperature

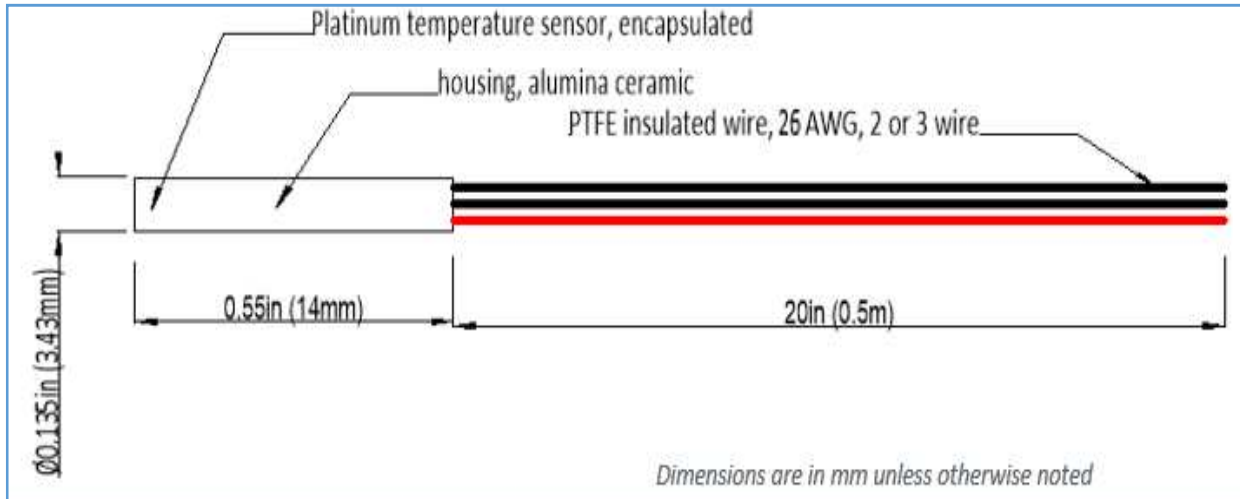
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Ceramic Housing RTD Temperature Sensor Specifications



Specifications

Operating Temperature Range

40°C to +260°C

Temperature sensing element

Platinum RTD, Pt100 or Pt1000, as per
DIN EN 60751 F0.15

Wire resistance

0.04Ω/ft (0.134Ω/m) for each conductor

Connection wire

PTFE insulated, 26AWG (0.14mm²),
20in. (0.51m) long, color coded
Pt100: 3 wire connection
Pt1000: 2 wire connection

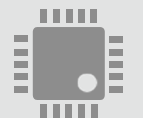
Housing

Aluminum Oxide ceramic

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Ceramic Housing RTD Temperature Sensor

Options

Wire length

Resistance value

Connectors

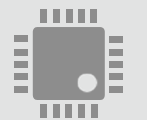
Ordering Code for Standard Product

Pt100 (3 wire): 35110017

Pt1000 (2 wire): 35110018

Resistance vs Temperature Table

Reference tables @ https://www.heraeus.com/en/hst/technical_information/technical_information_hst.aspx



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