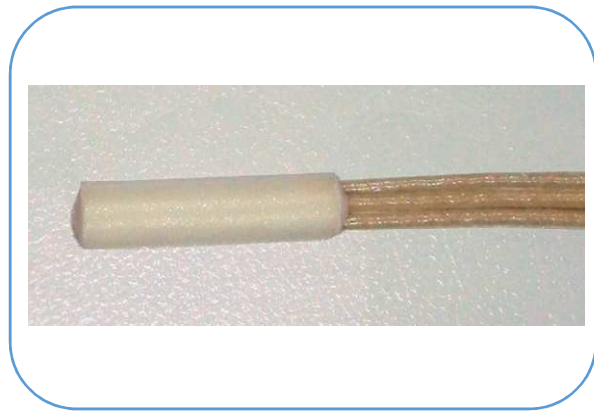


Ceramic Housing RTD Temperature Sensor, Hi-Temp



Platinum RTD element encapsulated in ceramic housing, fiberglass - insulated lead wires

Applications

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

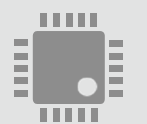
Features

- 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) and larger
- Widely used for a variety of temperature-sensing applications
- Available in Pt100 or Pt1000 resistance values
- +500°C maximum operating temperature

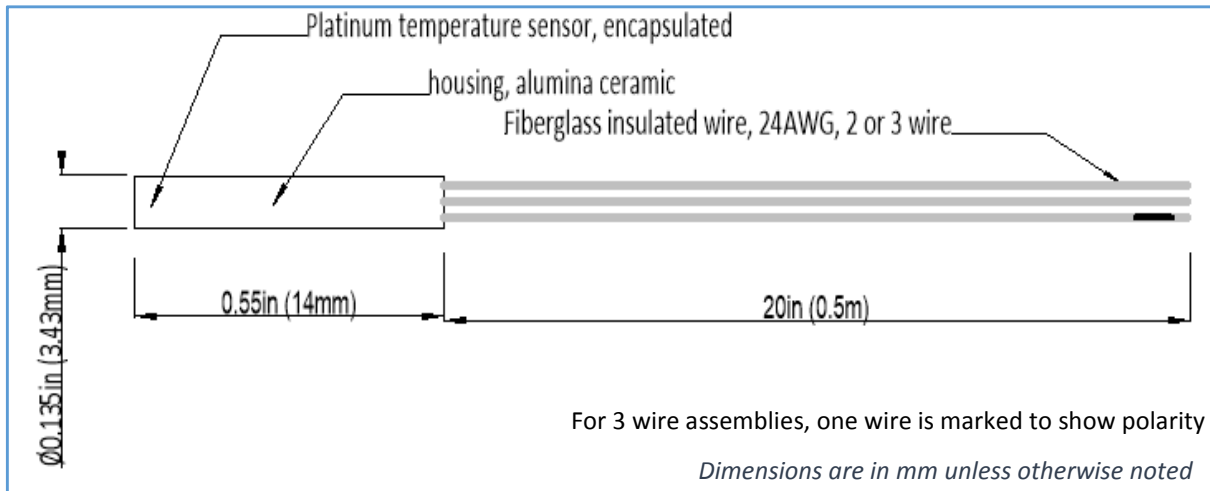
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Ceramic Housing RTD Temperature Sensor, Hi-Temp Specifications



Specifications

Operating Temperature Range

-40°C to +500°C

Connection wire

Fiberglass insulated, 2 x 0.22 mm²
(24AWG)

Pt100: 3 wire connection (one wire marked to indicate polarity)

Pt1000: 2 wire connection

Temperature sensing element

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

Housing

Aluminum Oxide ceramic

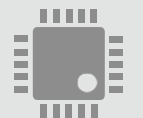
Wire resistance

0.030Ω/ft (0.098Ω/m) for each conductor

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Ceramic Housing RTD Temperature Sensor, Hi-Temp

Options

Wire length

Resistance value

Connectors

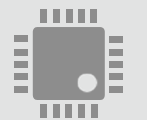
Ordering Code for Standard Product

Pt100 (3 wire): 35110015

Pt1000 (2 wire): 35110016

Resistance vs Temperature Table

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



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