Heraeus

General Purpose RTD Temperature Sensor with Jacketed Cable

Platinum RTD element encapsulated in closed end stainless housing with jacketed cable

Applications

- Heating, ventilating, and air-conditioning
- Data logging
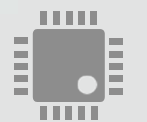- Laboratory instrumentation

Features

- Corrosion–resistant stainless steel protective housing
- Abrasion-resistant PFA jacketed cable
- Widely used for a variety of temperature-sensing applications
- Available in Pt100 or Pt1000 resistance values
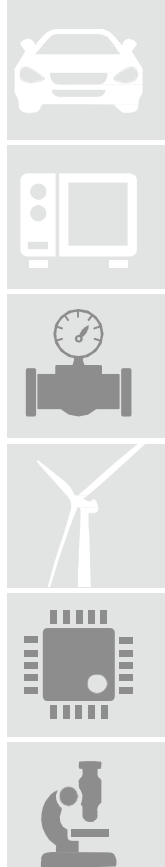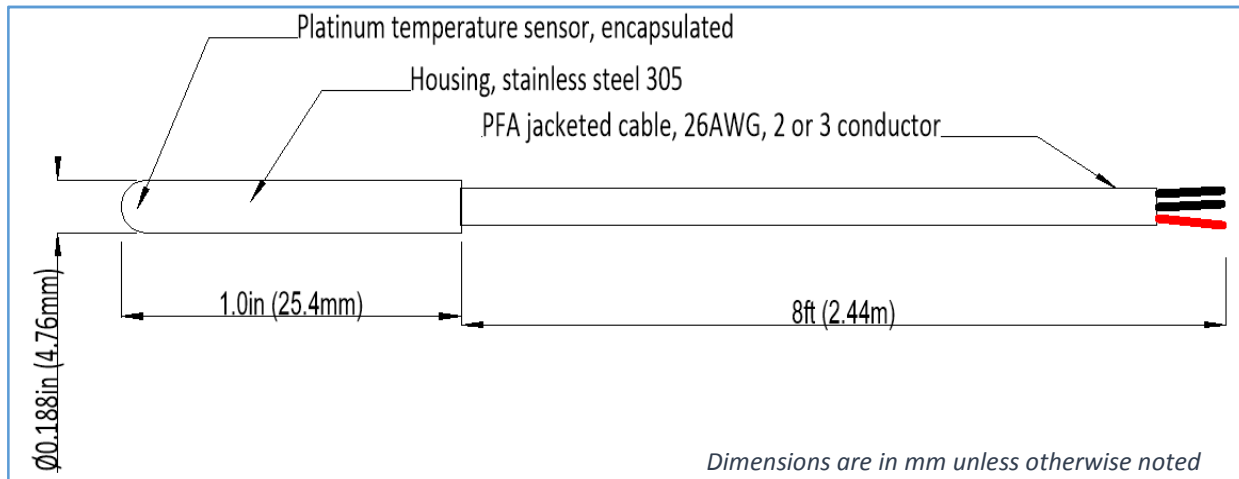- +260°C maximum operating temperature

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General Purpose RTD Temperature Sensor with Jacketed Cable Specifications

Platinum temperature sensor, encapsulated

Housing, stainless steel 305

PFA jacketed cable, 26AWG, 2 or 3 conductor

Ø0.188in (4.76mm)

1.0in (25.4mm)

8ft (2.44m)

Dimensions are in mm unless otherwise noted

Specifications

Operating Temperature Range

40°C to +260°C

Connection wire

PFA jacket, PFA primary insulation, 26AWG ($0.14mm^2$), 8 ft. (2.44m) long, color: white

Pt100:   3 wire cable

Pt1000: 2 wire cable

Temperature sensing element

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

Housing

Closed end tube, stainless steel 304 (1.4301)

Wire resistance

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

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Options

Wire length

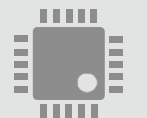Resistance value

Connectors

Ordering Code for Standard Product

Pt100 (3 wire):   35110013

Pt1000 (2 wire): 35110014

Resistance vs Temperature Table

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

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