

## Platinum Temperature Sensor with jacketed cable according to DIN EN 60751

Temperature range -40 °C to +260 °C

The Pt-RTD is completely encapsulated in a closed stainless-steel housing and connected with a sheathed cable. The dimensionally stable protective tube allows easy mounting in according holes. Preferred applications for temperature measurement are in gaseous media and in heating and air conditioning at elevated temperatures. The housing material is resistant to oils, fats, organic and inorganic bases and alkalis (medium concentration) and protects the sensor from mechanical damage.

Nominal Resistance $R_0$	Tolerance	Order Number
100 Ohm at 0 °C	F 0.3 (Class B)	35 110 013 (3 wire)
1000 Ohm at 0 °C	F 0.3 (Class B)	35 110 014 (2 wire)

### Temperature coefficient

TCR = 3850 ppm/K

### Connection wire

PFA jacket, PFA primary insulation,  
26AWG (0.14 mm<sup>2</sup>), 8 ft. (2.44 m) long  
Color: white  
Pt100: 3 wire connection  
Pt1000: 2 wire connection

### Internal conductor resistance

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

### Housing

Closed end tube, stainless steel 304 (1.4301)

### Application

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

### Features

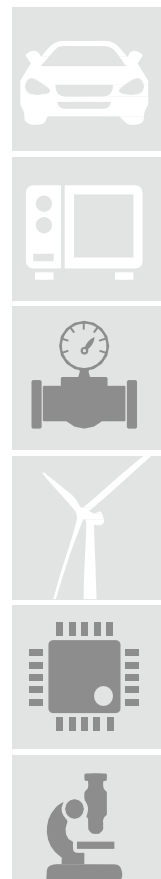
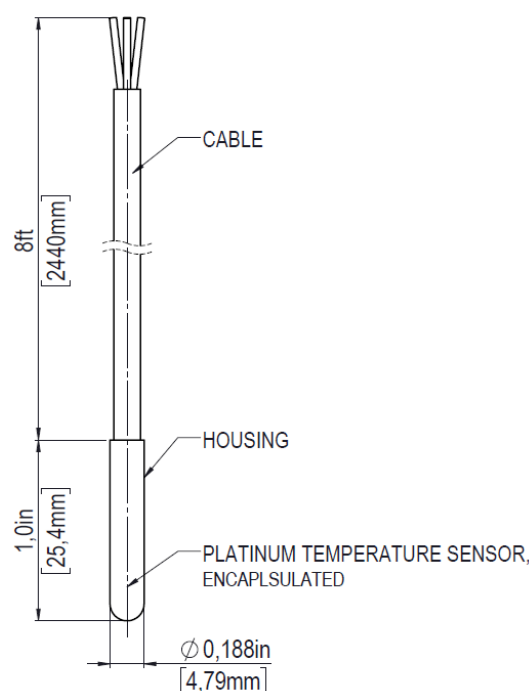
- Corrosion-resistant stainless-steel protective housing
- Abrasion-resistant PFA jacketed cable
- Widely used for a variety of temperature-sensing applications
- Available in Pt100 or Pt1000 resistance values
- +260 °C maximum operating temperature

### Options

Wire length  
Resistance value  
Connectors

### Resistance vs Temperature Table

Reference table @ [www.heraeus.com/technical-information](http://www.heraeus.com/technical-information)



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