

## Pt Temperature Sensor with Jacketed Cable according to DIN EN 60751

Temperature range -40 °C to +260 °C

- Corrosion-resistant stainless steel housing
- Widely used for variety of temperature sensing applications
- Abrasion-resistant PFA-jacketed connection cable

The dimensionally stable stainless steel protective tube allows easy mounting in corresponding mating holes. Applications include temperature measurement in gas, including HVAC equipment at elevated temperatures. The housing material is resistant to oils, organic and inorganic bases and alkalis (medium concentration) and protects the sensor from mechanical damage.

Nominal Resistance $R_0$ [ $\Omega$ ]	Tolerance Class	Order Number
Pt100	F 0.3 (B)	5117584
Pt1000	F 0.3 (B)	5117585

### Temperature Range of Tolerance Class

Tolerance Class F 0.3 (B) -40 °C to +260 °C

### Temperature Coefficient

TCR = 3850 ppm/K

### Connection Wire

PFA jacket, PFA primary insulation  
26 AWG (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  $\Omega$ /ft (0.134  $\Omega$ /m) for each conductor

### Housing

Closed end tube, stainless steel 304 (1.4301)

### Applications

- HVAC
- Data Logging
- Laboratory instrumentation



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Temperature range -40 °C to +260 °C

### 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 Pt 1000 resistance values
- +260 °C maximum operating temperature

### Options

- Wire length
- Resistance Value
- Connectors

### Resistance vs Temperature Table

Reference table @ [www.herae.us/technical-information](http://www.herae.us/technical-information)

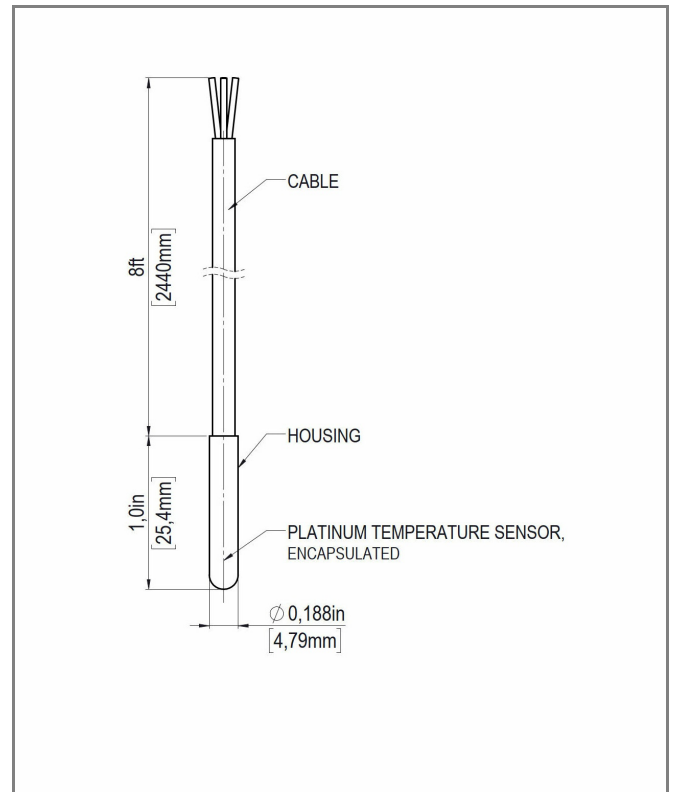


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