Pt Temperature Sensor with Ceramic Housing according to DIN EN 60751

Temperature range -40 °C to +260 °C

- Electrically insulating alumina ceramic housing
- Possible subassembly for stainless steel housing sensor
- Rugged PTFE-insulated connection wires

The electrically insulating housing facililates quick assembly in a stainless steel sensor probe housing. Possible applications include temperature measurement in commercial cooking equipment, analytical instruments, or any application requiring an electrically isolated sensor body.

Nominal Resistance R_0 [Ω]	Tolerance Class	Order Number
Pt100	F 0.3 (B)	5117588
Pt1000	F 0.3 (B)	5117589

Temperature Range of Tolerance Class

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

Temperature Coefficient

TCR = 3850 ppm/K

Connection Wire

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

Internal Conductor Resistance

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

Housing

Aluminium oxide ceramic

Applications

- Temperature probe assembly
- HVAC
- Laboratory instrumentation
- Laboratory ovens
- Applications requiring an electrically insulating or non-metallic sensor body

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Temperature range -40 °C to +260 °C

Features

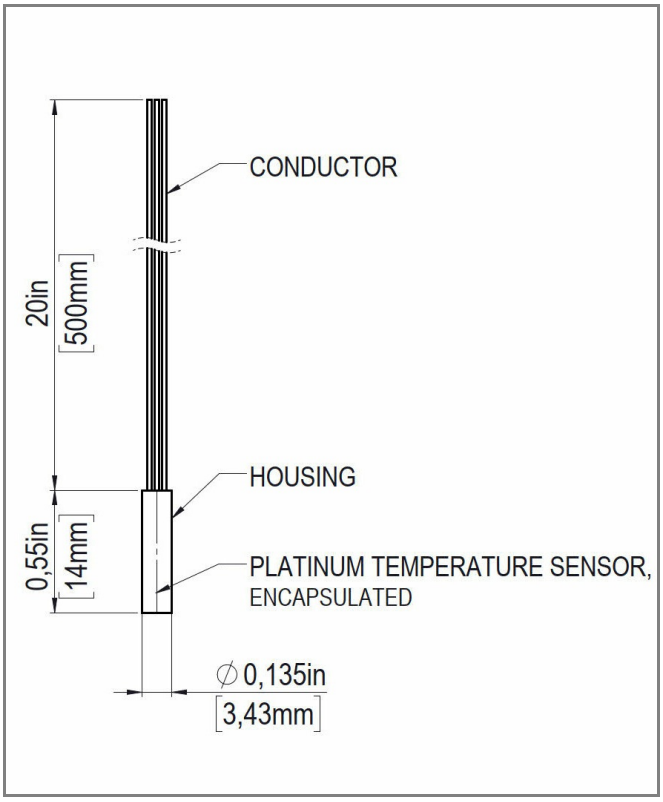
- Alumina ceramic housing provides excellent electrical isolation
- Small diameter (0.135", 3.43 mm) allows insertion into metal housings with OD of 0.156" (3.96 mm) & larger
- Widely used for a variety of temperature sensing applications
- Available in Pt100 or Pt1000 resistance values
- +260 °C maximum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

Options

- Wire length
- Resistance Value
- Connectors

Resistance vs Temperature Table

Reference table @ www.herae.us/technical-information



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