

## W-EYK, Insert Pt Temperature Sensor with Stainless-Steel Housing according to DIN EN 60751

Temperature range -40 °C to +500 °C

- Platinum sensor encapsulated in protective stainless steel housing
- Hi-temperature fiberglass insulated connection wires
- High maximum operating temperature +500 °C
- Housing resistant to oils, organic and inorganic bases and alkalis (medium concentration)

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. Measurement accuracy is optimized for temperatures between 0 °C and 100 °C.

Nominal Resistance R <sub>0</sub> [Ω]	Tolerance Class	Order Number
Pt100	F 0.10 / Class 1/3 B	30500109
Pt1000	F 0.10 / Class 1/3 B	31500989

### Temperature and Tolerance Range

Tolerance Class F 0.10 / 1/3 B     0 °C to +100 °C

### Temperature Coefficient

TCR = 3850 ppm/K

### Connection Wire

Fiberglass insulated twisted pair Ni wire  
2 x 0.5 mm (24 AWG), 300 mm long

### Internal Conductor Resistance

0.04 Ω/ft.(0.48 Ω/m) for each conductor

### Housing

Closed end tube, stainless steel 1.4571 (316 Ti)

### Applications

- HVAC
- Data Logging
- Laboratory instrumentation
- Oven temperature
- Hi-temp temperature sensing



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Temperature range -40 °C to +500 °C

### Features

- Corrosion resistant stainless steel protective housing
- High- temperature fiberglass-insulated connection wires
- Widely used for a variety of temperature sensing applications
- Available in Pt100 or Pt 1000 resistance values
- +500 °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)

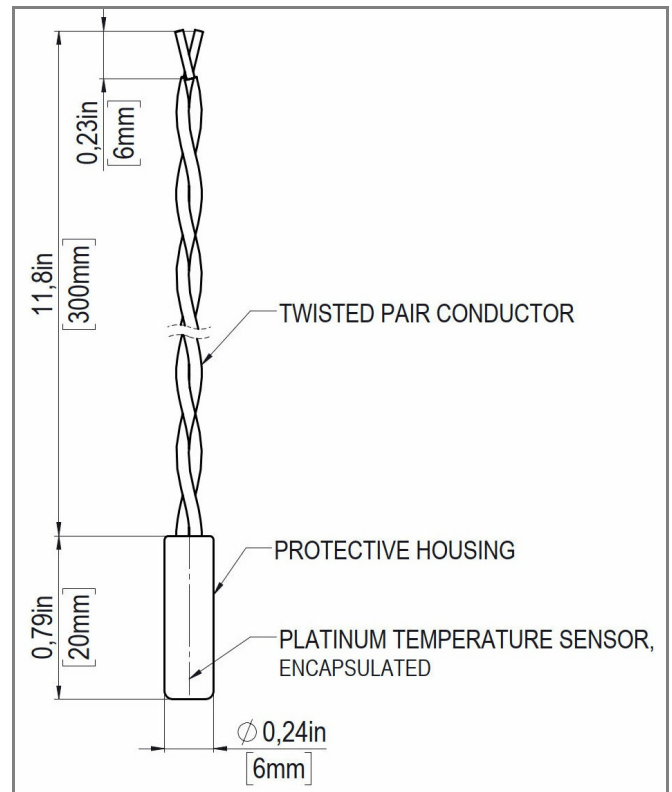


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