

W-GYK, Thread-Mountable Pt Temperature Sensor according to DIN EN 60751

Temperature range -40 °C to +250 °C

- Simple mounting via integrated G1/8 thread
- High thermal conductivity brass housing provides good thermal transfer
- Rugged PTFE-insulated connection wires

The thread-mountable sensor is easily mounted with a mating threaded hole, resulting in a secure installation with effective thermal contact. Possible applications include temperature measurement in mechanical systems, HVAC, and electronics. 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 [Ω]	Tolerance Class	Order Number
Pt100	F 0.3 / Class B	30010007
Pt1000	F 0.3 / Class B	30010000

Temperature and Tolerance Range

Tolerance Class F 0.3 / B -40 °C to +250 °C

Temperature Coefficient

TCR = 3850 ppm/K

Connection Wire

PTFE insulated Ni wire
2x \varnothing 0.4 mm (=26 AWG), 180 mm long

Internal Conductor Resistance

0.27 Ω \pm 25 %

Housing

Hex screw with G 1/8 thread, brass 2.0401 (MS58)
Width across hex flats : 13 mm

Applications

Temperature sensing in

- Heat sinks
- Motor casings
- Bearing casings
- Mechanical equipment



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W-GYK, Thread-Mountable Pt Temperature Sensor according to DIN EN 60751

Temperature range -40 °C to +250 °C

Features

- Easy surface mounting via integrated G 1/8 thread
- Brass housing provides good thermal transfer
- Rugged PTFE insulated connection wires
- Available in Pt100 and Pt1000 resistance values
- +250 °C maximum operating temperature

Options

- Wire length
- Resistance Value
- Connectors

Resistance vs Temperature Table

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

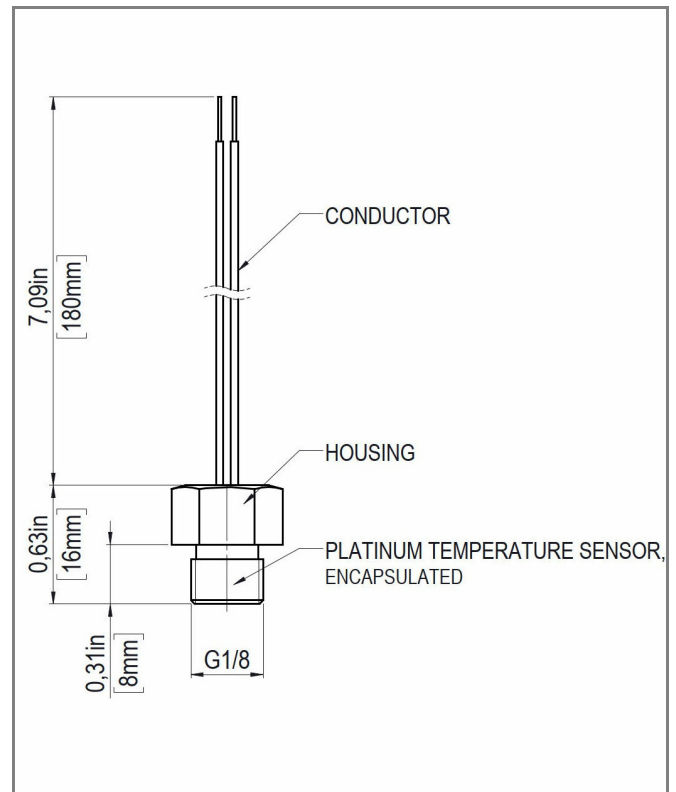


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