

## W-SZK, Platinum Surface Temperature Sensor according to DIN EN 60751

Temperature range -20 °C to +110 °C

The Pt-RTD element is fully enclosed in a molded polypropylene housing. Integrated thru-hole allows for easy mounting via a screw, rivet, etc. and is particularly suitable for surface measurements. Preferred applications include temperature measurement in gaseous media as well as in heating and air conditioning technology. The housing material is largely resistant to greases, organic and inorganic bases and alkalis (medium concentration).

Nominal Resistance $R_0$	Tolerance	Order Number
100 Ohm at 0 °C	F 0.3 (Class B)	31 600 393
1000 Ohm at 0 °C	F 0.3 (Class B)	30 504 002

### Temperature coefficient

TCR = 3850 ppm/K

### Connection Wire

PVC jacket, PVC primary insulation  
2 x 0.22mm<sup>2</sup> (24AWG) x 2.5 m long  
Color: black

### Housing

Molded fiber-reinforced polypropylene  
Color: black

### Response time

t<sub>05</sub> = 9s

t<sub>09</sub> = 70s

(measured on copper block at 156 °C)

### Application

- Heating, ventilating, and air-conditioning
- Data logging
- General purpose temperature sensing

### Features

- Rugged molded polypropylene housing
- Abrasion-resistant jacketed cable
- Versatile, multi-purpose design
- Available in Pt100 or Pt1000 resistance values
- +110 °C maximum operating temperature

### Options

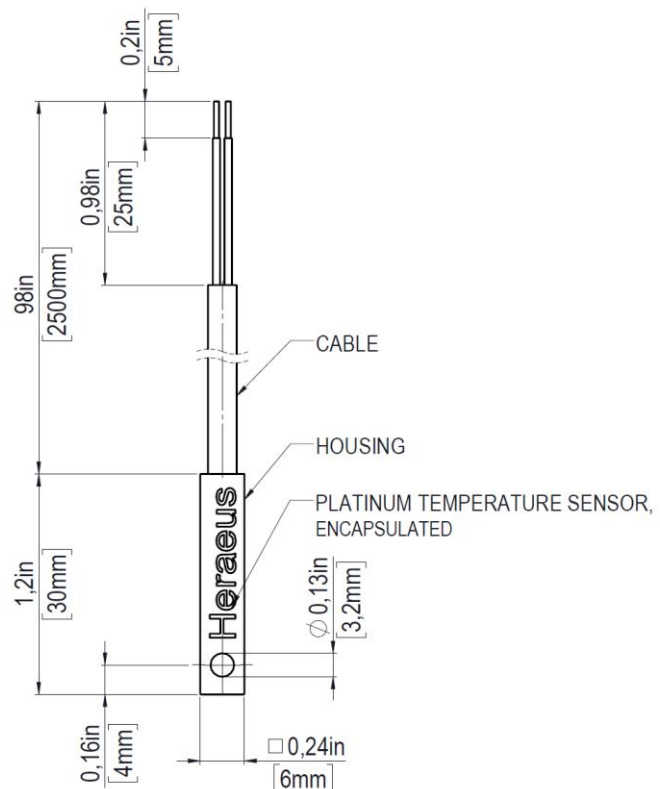
Wire length

Resistance value

Connectors

### Resistance vs Temperature Table

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



### California Proposition 65



#### WARNING:

This product can expose you to chemicals including lead oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm, and including cobalt oxide, nickel, cobalt and carbon black, which are known to the State of California to cause cancer. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

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