Oven Temperature Sensor

Platinum RTD sensor enclosed in closed-end stainless steel housing with integral mounting flange, fiberglass insulated lead wires.

**Applications**

- Oven temperature
- Heating, ventilating, and air conditioning
- General purpose temperature sensing

**Features**

- Flanged housing allows for easy mounting
- Standard design widely used in cooking ovens
- Available in Pt100 or Pt1000 resistance values
- Pt1000 available in TC3750 or TC3850
- +500°C maximum operating temperature
Oven Temperature Sensor Specifications

Specifications

Operating Temperature Range
-40°C to +500°C

Connection wire
Fiberglass-insulated, 2x0.22mm² (24AWG)
Pt100: 3 wire connection (one wire marked to indicate polarity)
Pt1000: 2 wire connection

Temperature sensing element
Platinum RTD, Pt100 or Pt1000, as per DIN EN 60751 F0.3

Wire resistance
0.030Ω/ft. (0.098Ω/m) for each conductor

Housing
Stainless steel, 300 series
Oven Temperature Sensor

Options

- Wire length
- Resistance value
- Connectors

Ordering Code for Standard Product

Pt100 TC3850 (3 wire): 35110020
Pt1000 TC3850 (2 wire): 35110021
Pt1000 TC3750 (2 wire): 35110022

Resistance vs Temperature Table


Contact Information

Heraeus Sensor Technology USA
770 Township Line Road, Suite 300 Yardley, PA 19067 USA
Phone: 1-215-944-9010 | Fax: 1-215-944-9392 | E-mail: info.hst-us@heraeus.com | Web: www.heraeus-sensor-technology.com

Heraeus Sensor Technology

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