## Heraeus

## Oven <br> Temperature <br> 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
- $+500^{\circ} \mathrm{C}$ maximum operating temperature


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## Oven Temperature Sensor Specifications



## Specifications

## Operating Temperature Range

$-40^{\circ} \mathrm{C}$ to $+500^{\circ} \mathrm{C}$

Temperature sensing element
Platinum RTD, Pt100 or Pt1000, as per

## Connection wire

Fiberglass-insulated, $2 \times 0.22 \mathrm{~mm}^{2}$
(24AWG)
Pt100: 3 wire connection (one wire marked to indicate polarity)
Pt1000: 2 wire connection
Housing
Stainless steel, 300 series DIN EN 60751 F0.3

Wire resistance
$0.030 \Omega / \mathrm{ft}$. $(0.098 \Omega / \mathrm{m})$ for each conductor

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## 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

Reference tables @ https://www.heraeus.com/en/hst/technical information/technical information hst.aspx

## Contact Information

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