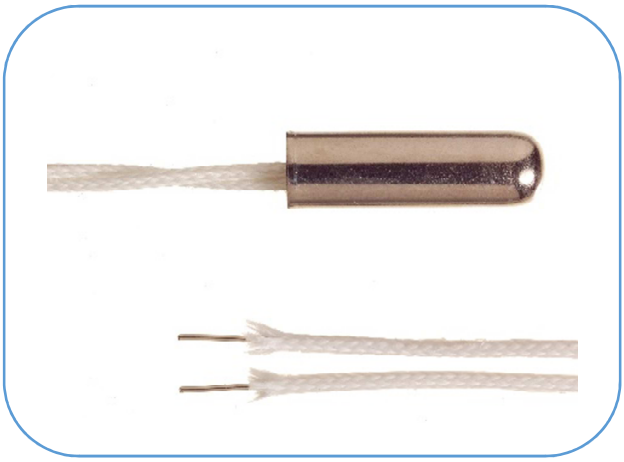
Heraeus

General-Purpose Platinum RTD Temperature Sensor Type W-EYK6



Platinum RTD element encapsulated in stainless housing with ceramic cement

Applications

- Heating, ventilating, and air-conditioning
- Data logging
- Laboratory instrumentation
- Oven temperature
- Hi-temp temperature sensing

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 Pt1000 resistance values
- +500°C maximum operating temperature

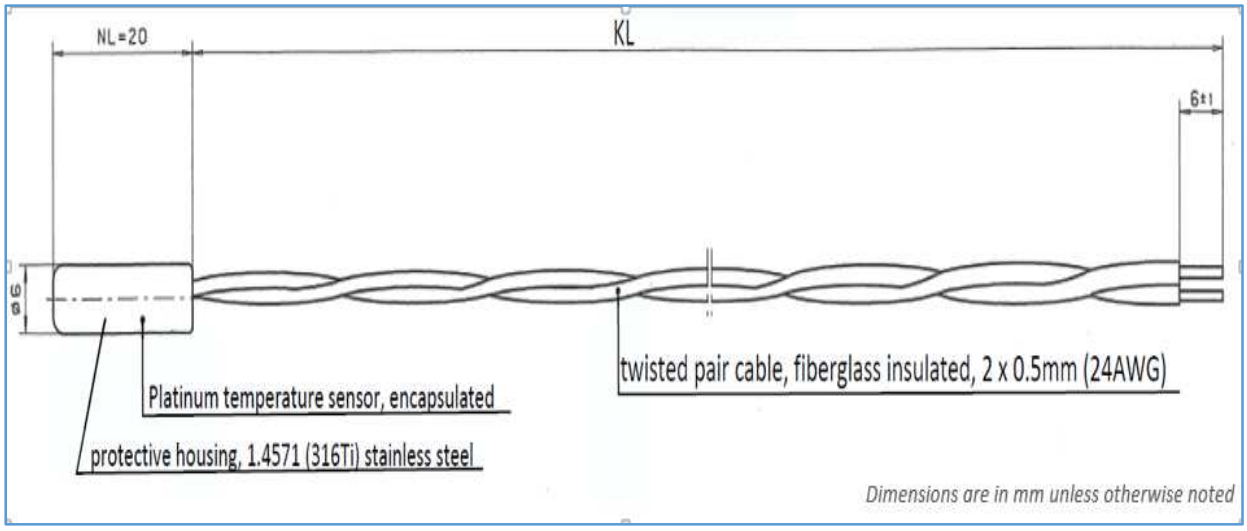
Heraeus Sensor Technology

This data sheet does not constitute an offer or agreement to sell any product. Heraeus believes the information contained in this data sheet is accurate as of the version date. HOWEVER, NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Heraeus does not accept legal responsibility for the use of this information. The information contained herein may not be valid for such product used in combination with any other materials, products, or in any process. It is the user's responsibility to satisfy itself that the product is suitable for the intended use.

Revision Date: 09/18

Heraeus

General-Purpose Platinum RTD Temperature Sensor Type W-EYK6 Specifications



Specifications

Operating Temperature Range

-40°C to +500°C

Connection wire

Fiberglass-insulated twisted pair,

2x0.22mm^2 (24AWG), 300mm long

Temperature sensing element

Platinum RTD, Pt100 or Pt1000, as per

DIN EN 60751; F0.1 from 0°C to +100°C

Housing

Closed end tube, stainless steel

1.4571 (316Ti)

Wire resistance

0.04Ω/ft (0.134Ω/m) for each conductor

Heraeus Sensor Technology

This data sheet does not constitute an offer or agreement to sell any product. Heraeus believes the information contained in this data sheet is accurate as of the version date. HOWEVER, NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Heraeus does not accept legal responsibility for the use of this information. The information contained herein may not be valid for such product used in combination with any other materials, products, or in any process. It is the user's responsibility to satisfy itself that the product is suitable for the intended use.

Revision Date: 09/18

Heraeus

General-Purpose Platinum RTD Temperature Sensor Type W-EYK6

Options

Wire length

Resistance value

Connectors

Ordering Code for Standard Product

Pt100 : 30500109

Pt1000 : 31500989

Resistance vs Temperature Table

Reference tables @ https://www.heraeus.com/en/hst/technical_information/technical_information_hst.aspx

Heraeus Sensor Technology

This data sheet does not constitute an offer or agreement to sell any product. Heraeus believes the information contained in this data sheet is accurate as of the version date. HOWEVER, NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Heraeus does not accept legal responsibility for the use of this information. The information contained herein may not be valid for such product used in combination with any other materials, products, or in any process. It is the user's responsibility to satisfy itself that the product is suitable for the intended use.

Revision Date: 09/18