



# GÜNTHER<sup>GmbH</sup>

## Temperaturmesstechnik



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**Product category 60-TE / 60-WTH  
Thermocouple Assemblies and Resistance  
Thermometers with Bayonet Nut Connector**

## 60-TE / 60-WTH

### Thermocouple Assemblies and Resistance Thermometers with Bayonet Nut Connector



#### Application Examples for Thermocouple Assemblies and Resistance Thermometers with Bayonet Nut Connector:



Plant and Machine Construction



Heat Treatment



Plastic Industry

#### 60-TE / 60-WTH

#### Thermocouple Assemblies and Resistance Thermometers with Bayonet Nut Connector

Sensors with bayonet nut connectors are recommended for measuring temperatures inside the blocks of machines, mechanisms and die cast forms, primarily in the plastic industry, at temperatures up to 400°C.

#### Advantages of Sensors with Bayonet Nut Connectors

- Reliable construction
- Bending resistant cabling
- Class 1 for type J and type K  
(High measurement precision)

The form of the measuring tip is mostly half-round, planar or with a point angle of 118°. The latter aligns itself very well into a standard bore hole.

The sensors are fitted with a pressure spring that, in combination with the correct installation length, respectively contact pressure at the installation point, protects the cable from deflexion. The installation length is variable, limited by the length of the pressure spring.

Please find the standardised inner diameter of bayonet nut connectors in the table on the right. Please note, that we do offer customised versions.

The standard mounted measuring elements are Pt 100: 2-, 3- or 4-wire, accuracy class N pursuant to EN 60751 or thermocouple types J and K in class 1. Double versions or the application of special sensors are also possible.





① Sensor Type

1xPt100-2L
1xPt100-3L
1xPt100-4L
NiCr-Ni/K
Fe-CuNi/J
Fe-CuNi/L

② Sensor Tip

Ø 6 mm	planar
	118°-Angle
Ø 8 mm	other
	planar
	118°-Angle
	other

③ End Termination

Free Ended (Non Tin-Plated)
Soldered Ends
Ends with Cable End Sleeves
Plug / Socket (Standard)
Plug / Socket (Miniature)
Plug / Socket (LEMO)

Example of a common implementation in this product line



Individual Solutions such as, for example materials, process connectors, accessories, etc. not listed here, are often viable.

Please contact us for further information!