



GÜNTHER^{GmbH}

Temperaturmesstechnik



Product category 71-KFT / 72-KFW
Cable Thermocouples and
Cable Resistance Thermometers

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Cable Thermocouples and Cable Resistance Thermometers

Sensors of this type are primarily used for temperature measurement in liquid and gaseous media. However, there is a broad palette of configuration and construction options that can be adapted to specific applications. Due to their make-up, these sensors may be used in temperature ranges between -200°C and +400°C.

Advantages of Cable Thermocouples and Cable Resistance Thermometers

- Reliable, Partly Watertight Construction
- Broad Selection of Configuration Options

At the point where the sheath meets the cable, the sensors may be equipped with a teflon coating (moisture protection) and/or springs (cable break protection).

Other Types of temperature sensors, similar to plug-in resistance thermometers, are referred to by their construction or mounting type, respectively their area of application. For example:

Application Examples for Cable Thermocouples and Cable Resistance Thermometers:

- Piping
- Machines and Devices
- Heating Units
- Ovens
- Freezers
- Liquids

- Surface Sensors
- Contact Sensors
- Pipe or Tube Sensors
- Threaded Sensors
- Welding Sensors
- Acid- and Oil-Tight Versions are Possible

Our resistance thermometers are also available in explosion protected ATEX models.



Visit us online at: www.guenther.eu



① Sensor Tip

Pt100 Class A
Pt100 Class B
Pt100 Class B 1/3
Pt100 Class B 1/5
Pt100 Class B 1/10
Pt1000 Class A
Pt1000 Class B
NiCr-Ni/K
Fe-CuNi/J
Fe-CuNi/L
Cu-CuNi / T
Cu-CuNi / U
Platinum
Nickel (Ni 100, ...)
NTC/PTC

② Configuration

Room Sensor (Non-Watertight)
Heat Shrink Insulated Measuring Point (Watertight)
② Metal Sheath (Std.: High-Grade Steel)
Metal Sheath with Threaded Socket
Ceramic Sheath
① Pipe / Tube Clamp
③ Small Welding Plate
④ Touch Sensor
⑤ Screw Threaded Sensor
⑥ Non Standard Construction (e.g. Magnet)

③ End Termination

Free Ended (Non Tin-Plated)
Soldered Ends
Ends with Cable End Sleeves
Standard Plug / Socket Connector
Miniature Plug / Socket Connector
HT-Standard Plug / Socket Connector
HT-Miniature Plug / Socket Connector
Ceramic Standard Plug /Socket Connector
LEMO Plug / Socket Connectors Sz. 0 to Sz. 3

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!