



# GÜNTHER<sup>GmbH</sup>

Temperaturmesstechnik



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

## 71-KFT / 72-KFW

### Cable Thermocouples and Cable Resistance Thermometers



#### Application Examples for Cable Thermocouples and Cable Resistance Thermometers:

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

#### 71-KFT / 72-KFW

#### 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:

- 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.**





**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 Shrunken Insulated Measuring Point (Watertight)
<b>2</b> Metal Sheath (Std.: High-Grade Steel)
Metal Sheath with Threaded Socket
Ceramic Sheath
<b>1</b> Pipe / Tube Clamp
<b>3</b> Small Welding Plate
<b>4</b> Touch Sensor
<b>5</b> Screw Threaded Sensor
<b>6</b> 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!