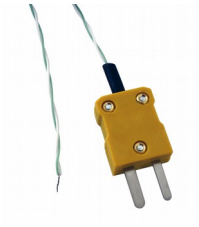
GHM Messtechnik GmbH - Location Greisinger
Hans-Sachs-Straße 26 ● 93128 Regenstauf ● Germany
Fon +49 (0) 9402 - 9383 - 0 ● Fax -33
www.greisinger.de ● info@greisinger.de

Wire Probe GTF 300



- **NiCr-Ni wire probe (type K)**
- **Quick-response measurements in air,gases, liquids**
- **For very small surfaces**

Characteristics

The GTF 300 is a NiCr-Ni (type K) wire probe for quick-response measurements in air, gases or liquids. The GTF 300 with option "UV" can be also used for measurements of very small surfaces. For option "UV" (untwisted welded) the measuring point is placed at the sensor tip.

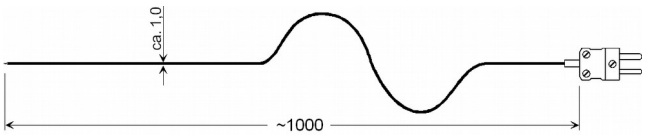
The thermocouple consists of two electric lines made of different materials (NiCr and Ni). The measuring principle of temperature measurement with thermocouples is based on the existence of thermovoltage when two wires made of different materials are connected.

The probe is delivered with ready-to-use, thermovoltage-free miniature flat-pin plug NST1200.

Technical Data

Thermocouple	:	NiCr-Ni (type K)
Measuring range	:	-65..+300 °C
Response time (T_{90})	:	approx. 0.3 s
Accuracy	:	class 1
Thermocouples wires	:	1 m Teflon insulated twisted wires (max. 250 °C), very flexible diameter approx. 1.0 mm
Measuring point	:	connection point of wires measuring tip (twisted welded)
Connection	:	miniature flat-pin plug NST1200

Dimensions

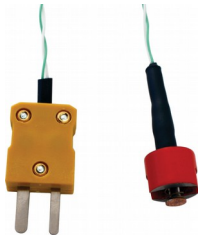


Ordering code

GTF300 - 1. - 2.

1.	Wire length	
	01	1 m (standard)
	xx	desired length in m (up to 50 m) e.g. 25 = 25 m
2.	**Option**	
	00	without option
	UV	measuring tip untwisted welded

Magnetic Surface Probe GMF 250



- **NiCr-Ni-probe (type K)**
- **Self-adhesive on magnetic surfaces**
- **Resilient measuring sensor**

Characteristics

The GMF 250 is a NiCr-Ni (type K) magnetic surface probe for surface temperature measurements. The GMF 250 is used exclusively for magnetic materials, because of its self-adhesive measuring sensor with Cu-plate. The probe is not appropriate for use at induction furnace, etc.

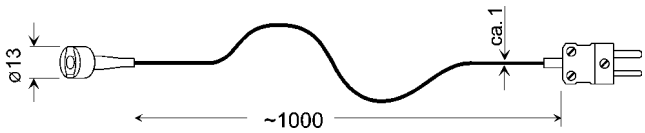
The thermocouple consists of two electric lines made of different materials (NiCr and Ni). The measuring principle of temperature measurement with thermocouples is based on the existence of thermovoltage when two wires made of different materials are connected.

The probe is delivered with ready-to-use, thermovoltage-free miniature flat-pin plug NST1200.

Technical Data

Thermocouple	:	NiCr-Ni (type K)
Measuring range	:	-65..+250 °C
Response time (T_{90})	:	approx. 5 s
Accuracy	:	class 1
Thermocouples wires	:	1 m Teflon insulated twisted wires (max. 250 °C), very flexible diameter approx. 1.0 mm
Measuring point	:	magnetic, resilient measuring sensor with Cu-plate Ø 5 mm
Connection	:	miniature flat-pin plug NST1200

Dimensions



Ordering code

GMF250 - 1.

1.	Wire length	
	01	1 m (standard)
	xx	desired length in m (up to 50 m) e.g. 25 = 25 m

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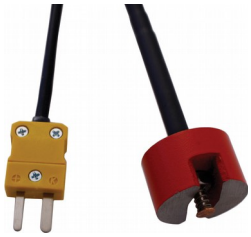
Magnetic Surface Probe GMF 200



- **NiCr-Ni-probe (type K)**
- **Self-adhesive on magnetic surfaces (reinforced design)**
- **Resilient measuring sensor**

Characteristics

The GMF 200 is a NiCr-Ni (type K) magnetic surface probe for surface temperature measurements. The GMF 200 is used exclusively for magnetic materials, because of its self-adhesive measuring sensor with Cu-plate. The probe is not appropriate for use at induction furnace, etc.

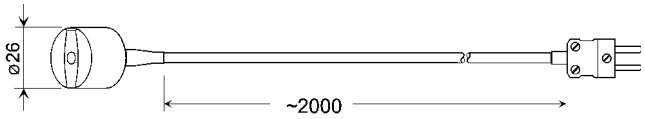
The thermocouple consists of two electric lines made of different materials (NiCr and Ni). The measuring principle of temperature measurement with thermocouples is based on the existence of thermovoltage when two wires made of different materials are connected.

The probe is delivered with ready-to-use, thermovoltage-free miniature flat-pin plug NST1200.

Technical Data

Thermocouple	:	NiCr-Ni (type K)
Measuring range	:	-65..+200 °C
Response time (T_{90})	:	approx. 5 s
Accuracy	:	class 1
Thermocouples wires	:	2 m silicone cable (max. 200 °C) flexible and robust
Measuring point	:	strong magnetic, resilient measuring sensor with Cu-plate Ø 5 mm
Connection	:	miniature flat-pin plug NST1200

Dimensions



Ordering code

1.

GMF200 - ☐

1.	Wire length	
	02	2 m (standard)
	xx	desired length in m (up to 50 m) e.g. 25 = 25 m