

INDUSTRY-TEMPERATURE PROBE TYPE K



**GTF 101 K**

Temperature probe type K

**General:**

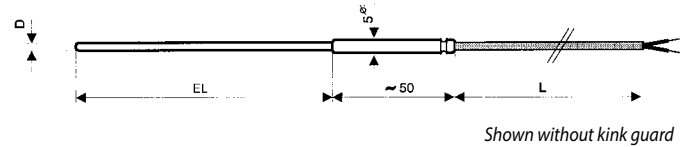
The GTF 101 is a temperature probe that can be fully tailored according to customers' requirements. The robust GTF 101 is especially suited for applications at high permanent temperatures and pressures in air, gases or liquids. The temperature is measured with thermocouple wires (NiCr-Ni).

**Specifications:**

<b>Sensor element:</b>	Type K (NiCr-Ni)								
<b>Measuring ranges:</b>	-200 ... +1150 °C								
	<b>Recommended upper temperature limit for continuous use:</b>								
	<table border="1"> <tr> <td>Ø</td> <td>0.5</td> <td>1.0</td> <td>1.5</td> </tr> <tr> <td>°C</td> <td>700</td> <td>700</td> <td>920</td> </tr> </table>	Ø	0.5	1.0	1.5	°C	700	700	920
Ø	0.5	1.0	1.5						
°C	700	700	920						
<b>Probe diameter D:</b>	1.5 mm, 3 mm, 6 mm other diameters upon request								
<b>Cable sleeve:</b>	for probe diameters D 0.5 mm, 1 mm, 1.5 mm, 3 mm: there is a cable sleeve Ø 5 mm x 50 mm in addition to the fitting length for probe diameters D 6 mm: there is a cable sleeve Ø 8 mm x 35 mm with taper to Ø 5 mm x 17 mm in addition to the fitting length <b>Note:</b> The temperature of the cable sleeve must not exceed the permitted temperature of the cable.								
<b>Accuracy:</b>	class 1								
<b>Tube material:</b>	Inconel 600								

<b>4. Cable and length</b>	
L01-G	1 m glass fibre, -50 ... +400 °C
	Each further meter
L01-S	1 m silicone cable, -50 ... +200 °C
	Each further meter
L01-T	1 m Teflon cable, -200 ... +250 °C
	Each further meter
L01-P	1 m PVC cable, -20 ... +105 °C
<b>5. Connection</b>	
NT	NST1200 flat-pin plug
NTG	Thermo-miniature-plug, green
	Loose ends
<b>6. Probe tube</b>	
WD	Cable transition water proof covered, Only with PVC cable -20 ... +105 °C, without stainless steel bending protection
TU	Teflon covered probe, Fl max. 200 mm, acid & salt water, max. 250 °C

Standard types see standard jacket thermo element GTF 101-5-xx-xxxx.



GTF101K - [1] - [2] - [3] - [4] - [5] - [6]

Greisinger	
<b>1. Probe diameter Ø</b>	
D40	4 mm, Probe tube V4A, rigid, not bendable, measuring range, max. 850 °C
D10	1 mm, max. 700 °C
D05	0.5 mm, max. 700 °C
D15	1.5 mm, max. 920 °C
D22	2.2 mm, Probe tube V4A, rigid, not bendable, measuring range, max. 850 °C
D30	3 mm
D50	5 mm, Probe tube V4A, rigid, not bendable, measuring range, max. 850 °C
D60	6 mm
D80	8 mm, Probe tube V4A, rigid, not bendable, measuring range, max. 850 °C
D90	9 mm rigid, Probe tube V4A, rigid, not bendable, measuring range, max. 850 °C
<b>2. Fitting length EL</b>	
0100	100 mm
0150	150 mm
0250	250 mm
0500	500 mm
1000	1000 mm
<b>3. Measuring range</b>	
	-200 ... +1150 °C
MB0	-200 ... +1000 °C, NiCr-Ni
MB0	-50 ... +1000 °C, NiCr-Ni
MB1	-50 ... +400 °C
MB2	-50 ... +250 °C
MB4	-50 ... +800 °C
	temperature limits due to construction to be considered

Special dimensions, special jacket materials, etc. available on request.