

INDUSTRY-TEMPERATURE PROBE



HIGHLIGHTS:

- Pt100, Pt1000, NiCr-Ni (type K)
- complete with thread and cable (loose ends)
- very robust

**GTF 102**

Einschraub-Temperaturfühler

**General:**

The GTF 102 is a temperature probe that can be fully tailored according to customers' requirements. The robust GTF 102 is especially suited for applications at high permanent temperatures and pressures in air, gases or liquids. The temperature is measured with either thermocouple (NiCr-Ni) or resistance temperature sensors (Pt100 / Pt1000). The probe is provided by default with tread, cable sleeve and 1 m silicone cable (compensation line with loose ends).

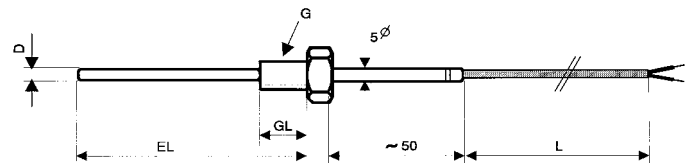
**Specifications:**

<b>Sensor element:</b>	Pt100 (2- / 3- or 4- wire), Pt1000 (2- / 3- or 4- wire) NiCr-Ni
<b>Accuracy (standard):</b>	Pt100 / Pt1000: DIN class B, NiCr-Ni: class 1
<b>Tube material:</b>	V4A (1.4404)
<b>Thread material:</b>	stainless steel
<b>Connection cable:</b>	standard: silicone compensation line, loose ends, length: 1 m (up to max. 200) incl. stainless steel kink guard

GTF102 - [1] - [2] - [3] - [4] - [5] - [6] - [7] - [8]

Greisinger	
1.	Sensor element
P2	Pt100 (2-wire)
P3	Pt100 (3-wire)
P4	Pt100 (4-wire)
T2	Pt1000 (2-wire)
T3	Pt1000 (3-wire)
T4	Pt1000 (4-wire)
K	Type K (NiCr-Ni)
2.	Accuracy
A	DIN class A
B	DIN class B
D	DIN class AA (1/3 DIN class B)
Z	1/10 DIN cl. B
1	Class 1
3.	Measuring range
MB1	-50 ... +200 °C
MB2	-50 ... +400 °C
MB3	-50 ... +600 °C
4.	Probe diameter D
15	1.5 mm
22	2.2 mm rigid
30	3 mm
30M	3 mm jacket element (rigid approx. 30 mm, then bendable)
40	4 mm
50	5 mm
60	6 mm
80	8 mm
5.	Fitting length EL
0100	100 mm
0150	150 mm
0250	250 mm
0500	500 mm
1000	1000 mm

6.	Thread
G1	G ½
G2	G ¾
G3	G 1
G4	G 1 ¼
G5	G 1 ½
M5	M5
M6	M6
M8	M8
M08	M8x1
M0	M10
M01	M10x1
7.	Cable with length
L01-P	1 m PVC cable, -20 ... +105 °C Each further meter
L01-S	1 m silicone cable, -50 ... +200 °C Each further meter
L01-G	1 m glass fibre, -50 ... +400 °C Each further meter
L01-T	1 m Teflon cable, -200 ... +250 °C Each further meter
L01-P	1 m PVC cable, -20 ... +70 °C Each further meter
8.	Connection
MD	Mini-DIN plug 4pole
NT	NST1200 flat-pin plug
NU	NKU1200 coupling
BS2	2 x banana plug Ø4 mm Loose ends
M8B	M8 socket (for EASYLOG option AFK)
BNC	BNC plug



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