



HIGHLIGHTS:

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

GTF 102

Temperature probe

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 thread, cable sleeve and 1 m silicone cable (compensation line with loose ends).

Specifications:

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

GTF 102

1	2	3	4	5	6	7	8
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Ordering code:

1. Sensor element	
P2	Pt100 (2-wire)
P3	Pt100 (3-wire)
P4	Pt100 (4-wire)
T2	Pt1000 (2-wire)
T4	Pt1000 (4-wire)
K	NiCr-Ni
2. Accuracy	
1	class 1 only for NiCr-Ni
A	DIN class A only for Pt100 / Pt1000
B	DIN class B (standard) only for Pt100 / Pt1000
D	1/3 DIN class B only for Pt100 / Pt1000
Z	1/10 DIN class B only for Pt100 (validity area: -50 ... +100 °C)
3. Measuring range	
MB1	-50 ... +200 °C
MB2	-50 ... +400 °C
MB3	-50 ... +600 °C
MBS	other measuring range
4. Probe diameter D	
15	1.5 mm only with sensor element NiCr-Ni (K)
22	2.2 mm rigid
30	3.0 mm (standard)
40	4.0 mm
50	5.0 mm
60	6.0 mm
80	8.0 mm
5. Fitting length EL	
0100	100 mm (standard)
0150	150 mm
0250	250 mm
0500	500 mm
1000	1000 mm
xxxx	any length in mm (e.g. 0700 = 700 mm)
6. Thread	
G1	G ½ (standard)
G2	G ¼
G5	G ¾
M5	M5 max. D = 3.0 mm
M6	M6 max. D = 3.0 mm
M8	M8 max. D = 5.0 mm
M0	M10 max. D = 6.0 mm
xxx	other thread
7. Cable length L	
L01	1 m silicone cable (standard)
Lxx	any length in m (e.g.: L03 = 3 m)
8. Type of cable	
P	PVC cable up to max. -20 ... +105 °C (surcharge per 1 m cable length L)
S	silicone cable up to max. -50 ... +200 °C (standard) (surcharge per 1 m cable length L)
T	Teflon cable up to max. -200 ... +250 °C (surcharge per 1 m cable length L)
G	glass silk cable up to max. -50 ... +400 °C (surcharge per 1 m cable length L)

Special lengths, special sheath materials, etc. upon request.