

Product Information

Temperature probe

**Screw-In Probe
GTF 102**



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

Characteristics

The GTF 102 is a temperature probe modified completely according to customer specifications. The GTF 102 is very robust and therefore especially suited for application at high permanent temperatures in air, gases liquids or aggressive environments.

The measurement is done by means of a resistive temperature sensor (Pt100 / Pt 1000) or thermocouple (type K, NiCr-Ni).

The probe is delivered with thread, cable sleeve and 1 m silicone cable (compensation line with loose ends) by default.

Technical data

Sensor element : Pt100 (2- / 3- or 4-wire)
Pt1000 (2-wire)
NiCr-Ni

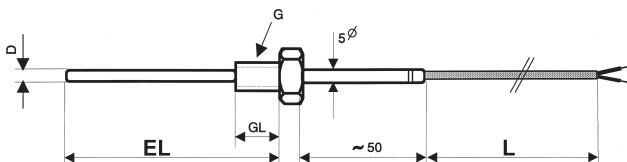
Measuring range

NiCr-Ni : -200..+1000 °C
Pt100 / Pt1000 : -50..+400 °C

Accuracy : Pt100 / Pt1000: DIN class B
NiCr-Ni: class 1

Tube material : V4A
Thread material : stainless steel
Connection cable : standard: silicone compensation line, loose ends, length: 1 m long (up to max. 200)

Dimensions



Ordering code

GTF102 - 1. - 2. - 3. - 4. - 5. - 6. - 7. - 8.

1. Sensor element	
P2	Pt100 (2-wire)
P3	Pt100 (3-wire)
P4	Pt100 (4-wire)
T2	Pt1000 (2-wire)
K	NiCr-Ni
2. Accuracy	
1	class 1 <i>only NiCr-Ni</i>
A	DIN class A <i>only Pt100 / Pt1000</i>
B	DIN class B (Standard) <i>only Pt100 / Pt1000</i>
D	1/3 DIN class B <i>only Pt100 / Pt1000</i>
Z	1/10 DIN class B <i>only Pt100</i>
3. Measuring range MB	
MB0	standard measuring range
MBX	other measuring range upon request
4. Probe diameter D	
22	2.2 mm <i>only with sensor element NiCr-Ni (K)</i>
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 (±10mm)	
0100	100 mm (standard)
0150	150 mm
0250	250 mm
0500	500 mm
1000	1000 mm
1500	1500 mm
xxxx	any EL in mm (e.g.: 0700 = 700 mm)
6. Thread	
G1	G ½ (standard)
G2	G ¼
G3	G ¾
G5	G ⅝
M5	M5
M6	M6
M8	M8
M0	M10
M2	M12
M4	M14
7. Cable length L	
L01	1 m (standard)
Lxx	desired length in m (e.g. L03 = 3 m)
8. Cable material	
P	PVC cable up to max. 105 °C
S	silicone cable up to max. 200 °C (standard)
T	Teflon cable up to max. 250 °C
G	glass silk cable up to max. 400 °C