

GTF 111

Temperature probe

General:
The GTF 111 is a temperature sensor without thread with a practical M12 connector. The measurement is carried out by means of resistance temperature sensors Pt100 or Pt1000.

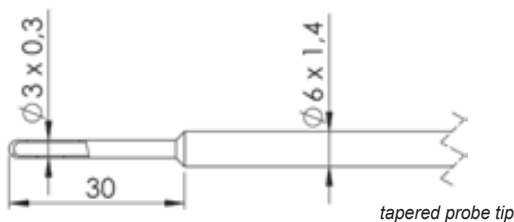
Specifications:

Sensor element:	Pt100 or Pt1000 (4-wire)
Temperature range:	-50 ... +250 °C (probe tip)
Accuracy:	Class B, Class A, Class AA, Class 1/10 DIN B
Response time:	FS Ø 3 mm: $T_{90} \leq 1.5$ s FS Ø 6 mm: $T_{90} \leq 7.4$ s
Process pressure:	max. 50 bar
Electrical connection:	M12 connector, 4-pole
Thermowell and tip:	1.4404 (V4A)
Protection:	IP67 / IP69K
Ambient temperature:	-20 ... +85 °C

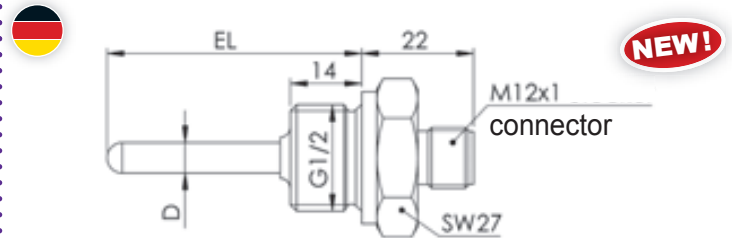
GTF 111 1 2 3 4 5 6

Ordering code	
1. sensor element	
P	Pt100
T	Pt1000
2. Accuracy	
B	class B (Standard)
A	class A
D	class AA (1/3 class B)
Z	1/10 DIN cl. B only for Pt100
3. Measuring range	
MB1	-50 ... +250 °C (M12 does not exceed 85 °C)
MBS	other measuring ranges
4. Installation length EL	
0050	50 mm
0100	100 mm
0150	150 mm
0250	250 mm
xxxx	any installation length in mm
5. Probe diameter D	
D60	Ø 6 mm, without taper
D30	Ø 6 mm, with tapered probe tip Ø 3 mm L = 30 mm
Dxx	other diameters in mm
6. Option	
00	without option

M12 connecting cable see page 134



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



GTF 112

Temperature probe

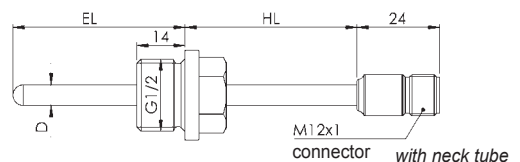
General:
The GTF 112 is a temperature sensor with threaded process with a practical M12 connector. The measurement is performed by means of resistance temperature sensors Pt100 or Pt1000.

Specifications:

Sensor element:	Pt100 or Pt1000 (4-wire)
Temperature range:	-50 ... +250 °C (probe tip)
Accuracy:	Class B, Class A, Class AA, Class 1/10 DIN B
Response time:	FS Ø 3 mm: $T_{90} \leq 1.5$ s FS Ø 6 mm: $T_{90} \leq 7.4$ s
Process pressure:	max. 50 bar
Electrical connection:	M12 connector, 4-pole
Thermowell and tip:	1.4404 (V4A)
Protection:	IP67 / IP69K
Ambient temperature:	-20 ... +85 °C

GTF 112 1 2 3 4 5 6 7

Ordering code	
1. Sensorelement	
P	Pt100
T	Pt1000
2. Accuracy	
B	class B
A	class A
D	class AA (1/3 class B)
Z	1/10 DIN cl. B only for Pt100
3. Measuring range	
MB0	-50 ... +100 °C
MB1	-50 ... +250 °C (with neck tube HL = 50 mm)
MBS	other measuring ranges
4. Installation length EL	
0050	50 mm
0100	100 mm
0150	150 mm
0250	250 mm
xxxx	any installation length in mm
5. Probe diameter D	
D60	Ø 6 mm, without taper
D30	Ø 6 mm, with tapered probe tip Ø 3 mm L = 30 mm
Dxx	other diameters in mm
6. thread	
G1	G ½ (standard)
G2	G ¼
xxx	other threads
6. neck tube	
000	No neck tube (only up to 100 °C, only with MB0)
050	50 mm
7. Option	
00	without option



Handheld instrument
Display/Controller
Logger/FAStBus
Transmitter
Temperature probe
Simulator
Alarm/Protection, Level