

INDUSTRY-TEMPERATURE PROBE



GTF 111

Temperature probe with M12 connection

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.

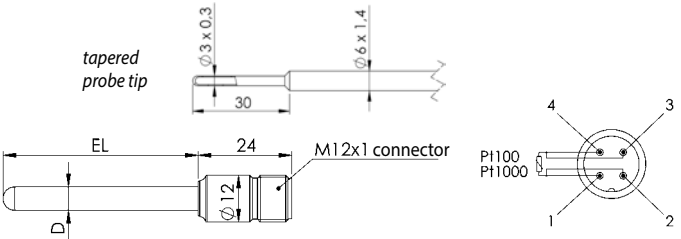
Specifications:

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 ≤ 1.5 s FS Ø 6 mm: T ₉₀ ≤ 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

GTF111 - 1 - 2 - 3 - 4 - 5

Greisinger		
1.	Sensor element	
	P	Pt100 (4-wire)
	T	Pt1000 (4-wire)
2.	Accuracy	
	B	DIN class B
	A	DIN class A
	D	DIN class AA (1/3 DIN class B)
	Z	1/10 DIN cl. B (only Pt100)
3.	Measuring range	
	MB1	-50 ... +250 °C (M12-connector max. 85 °C), More measuring ranges on request
	MBS	-50 ... +100 °C (M12-connector max. 85 °C)
4.	Installation length	
	0050	50 mm
	0100	100 mm
	0150	150 mm
	0250	250 mm
5.	Probe diameter	
	D60	Ø6 mm, Without taper
	D30	Ø6 mm, and tapered probe tip Ø3 mm L = 30 mm
	D80	Ø8 mm, Without taper

M12 connecting cable see page 64



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



GTF 112

Temperature probe with M12 connection

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 ≤ 1.5 s FS Ø 6 mm: T ₉₀ ≤ 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

GTF112 - 1 - 2 - 3 - 4 - 5 - 6 - 7

Greisinger		
1.	Sensor element	
	P	Pt100 (4-wire)
	T	Pt1000 (4-wire)
	T2	Pt1000 (2-wire)
2.	Accuracy	
	B	DIN class B
	A	DIN class A
	D	DIN class AA (1/3 DIN class B)
	Z	1/10 DIN cl. B (only Pt100)
3.	Measuring range	
	MB0	-50 ... +100 °C
	MB1	-50 ... +250 °C, Only with extension tube HL = 50 mm
	MBS	-50 ... +300 °C
4.	Fitting length EL	
	0050	50 mm
	0100	100 mm
	0150	150 mm
5.	Probe diameter D	
	D60	Ø6 mm, Without taper
	D30	Ø6 mm, and tapered probe tip Ø3 mm L = 30 mm
	D30	Ø3 mm
	D120	Ø12 mm
6.	Thread	
	G1	G ½
	G2	G ¼
	G4	G ⅜
	M10	M10x1
7.	Extension tube	
	000	No extension tube, Only up to 100 °C -> MB0
	050	50 mm
	100	100 mm

