



## Resistance thermometer Surface sensor Series GF-7103

### PRODUCT FEATURES

- ✓ Resistance thermometer acc. to DIN EN 60751
- ✓ High precision platinum sensor
- ✓ High precision measuring system
- ✓ Single / double measuring system
- ✓ Vibration resistant design
- ✓ High temperature resistance
- ✓ Durable
- ✓ Process and fail safe
- ✓ Temperature and long-term stable
- ✓ ATEX version
- ✓ FDA / CE compliant version

### TECHNICAL DETAILS

#### Core values

PT50/PT100/PT500/PT1000  
KTY/NTC/PTC

#### Segment dimension

Standard 8 x 8 x 20 mm

#### Form of the measuring tip

Standard without measuring pin  
Standard mit Messzapfen, Ø4 x 12mm  
Weitere Ausführungen auf Anfrage

#### Segment mounting

Standard mit M4 Schraube  
Weitere Ausführungen auf Anfrage

#### Kink protection spring

Stainless steel

#### Process temp. at the measuring tip

Up to +600°C depending on version

#### Segment material

Standard nickel-plated brass,  
Measuring surface blank  
Further versions on request

#### High - quality cable types

Connection cables  
All available versions

#### Connectivity

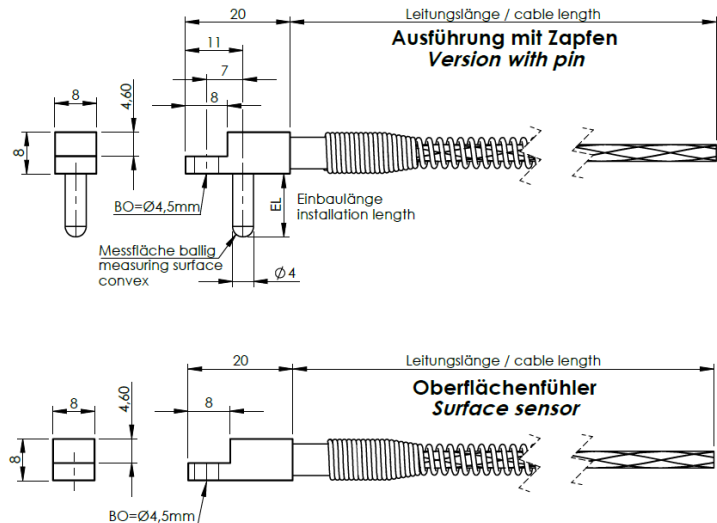
Free ends, plug, special

#### Special version

Customized, on request

<b>Standard version</b>									
	GF-7103								
<b>Special version</b>									
ATEX	EX								
Special version									
<b>Number of measuring systems</b>									
1x	1								
2x	2								
<b>Core values measuring system</b>									
PT100 Class B	n/a								
PT100 Class A	K1A								
PT100 Class AA	K1AA								
PT50/PT500/KTY/NTC/PTC + Type	KTY								
Further versions on request									
<b>Types of electrical circuits</b>									
2-wire-circuit	n/a								
3-wire-circuit	3-L								
4-wire-circuit	4-L								
Further versions on request									
<b>Diameter of the measuring tube</b>									
Standard with 4,0 mm measuring pin	4,0								
Further versions on request									
<b>Measuring tube form (check graphic below)</b>									
Convex	B								
Plan	P								
Angled 118°	W								
<b>Pin length for pin version</b>									
Standard 12 mm	12								
Mention in mm									
<b>Segment mounting hole</b>									
Standard M4 without mention									
M5	M5								
M6	M6								
Further versions on request									
<b>Cable length in mm</b>									
Mention in mm	XXXX								
<b>Cable type</b>									
Glass fiber - Glass fiber - stainless steel braid	without mention								
Glass fiber - Glass fiber - stainless steel braid - PTFE	GL-GL-PVA-TE								
R - Glass fiber - R - Glass fiber - stainless steel braid	RGL-RGL-PVA								
Check cable types									
<b>Connection</b>									
Free Ends, 60 mm	A								
Check ends	PRF								
LEMO plug + size + number of poles	LST2PS								
Round plug screw lock + size + number of poles	DST3PS								
M 12 Round plug + number of poles	EST-M12-4P								
Check plug types									
<b>Temperature measuring tip</b>									
Mention in °C	400°C								
<b>Order code (example)</b> → GF-7103 1 -. 3-L. 4,0 B 12 3000. A 400°C									

MEASURES





**DIGITAL DATA**  
2D, 3D and CAD

to Download