

## 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 for 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

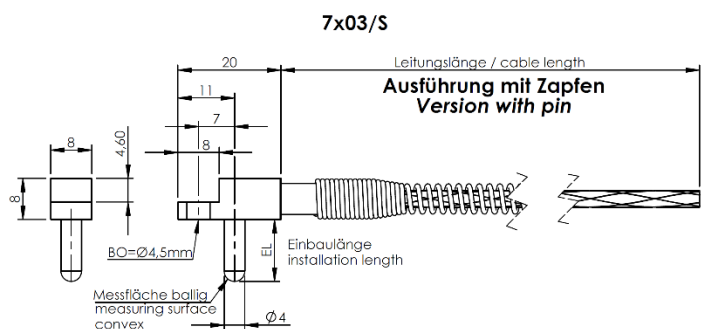
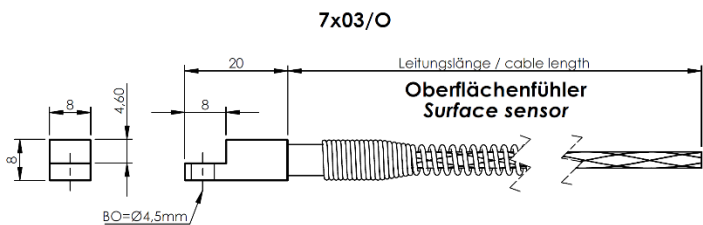
Free ends, plug

#### Special version

Customized, on request

<b>Version</b>										
Surface sensor	GF-7103/O									
Sensor with pin	GF-7103/S									
<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 DIN EN 60751				n.s.						
PT100 Class A DIN EN 60751				K1.A						
PT100 Class AA DIN EN 60751				K1.AA						
PT50/PT500/KTY/NTC/PTC + Type				KTY						
Further versions on request										
<b>Types of electrical circuits</b>										
2-wire-circuit				n.s.						
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						
Flat				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				n.s.						
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			
Further versions on request										
<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		
Further versions on request, see data sheet connectors										
<b>Temperature measuring tip</b>										
Mention in °C									400°C	
<b>Order code (example) →</b>										
	GF-7103/S	.1.	-.	3-L.	4,0.	B.	12.	3000.	A.	400°C

MEASURES



DIGITAL DATA

2D, 3D and CAD

to Download