

## Resistance thermometer Screw in sensor straight or angled Series GF-7138

### 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

#### Diameter

1,87 mm - 8,00 mm in standard

#### Form of the measuring tip

118° angled, plan, spherical

#### Installation length

Min. 10mm up to max. 500mm

#### Material

Sensor completely made of stainless steel

#### Process temp. at the measuring tip

Up to +600°C depending on version

#### Process connection

Fixed DIN 910 screw

#### High - quality cable types

Connection cables  
All available versions

#### Connectivity

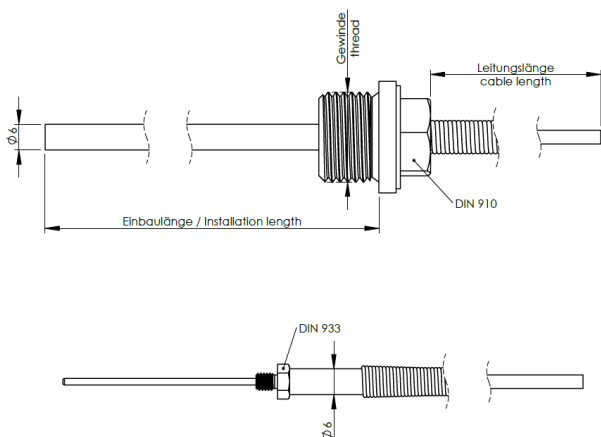
Free ends, Plugs, Special

#### Special version

Customized, on request

<b>Standard version</b>												
ATEX		GF-7138		EX								
<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 measuring tip</b>												
1,87 mm				1,87								
2,0 mm				2,0								
3,0 mm				3,0								
6,0 mm				6,0								
Mention in mm												
<b>Measuring tube form (check graphic below)</b>												
Angled 118°				W								
Plan				P								
Spherical				B								
Special version												
<b>Installation length</b>												
50 mm				50								
Mention in mm												
<b>Matching DIN910 / DIN933 screw</b>												
G1/4				43								
G3/8				44								
G1/2				82								
G1				84								
M6				M6								
M8				M8								
M10				M10								
M12				M12								
M16				M16								
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-7138		1 K1A.		3-L.		6,0.		P. 50. 82.		3000. -. A. 400°C

MEASURES



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

to Download