



Resistance thermometer Bayonet sensor Series GF-7112

PRODUCT FEATURES

- ✓ Resistance thermometer
acc. to DIN EN 60751
- ✓ 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

4,76 mm – 10,00 mm in standard

Form of the measuring tip

118° angled, plan, convex, spherical,
stepped

Bayonet lock

Nickel-plated steel or stainless steel
VK-14/VK-17/VK-19/VK-21

Kink protection-/ threaded spring

- Stainless steel up to 5000 mm
- Inconel up to 180 mm
- Standard 180 mm
- Standard 250 mm

Process temp. at the measuring tip

Up to +600 °C depending on version

Process-connection adapter

Metric or inch

High – quality cable types

Connection cables
All available versions

Connectivity

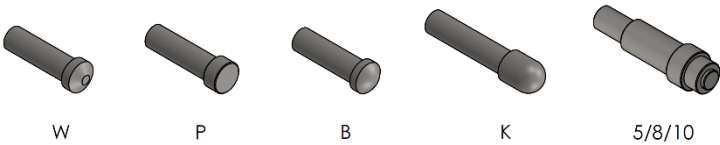
Free ends, plug

Special version

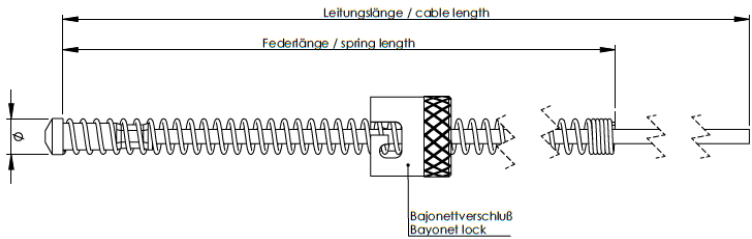
Customized, on request

Standard version													
	GF-7112												
Special version													
Measuring tube 6/8 mm			/L										
ATEX			/EX										
with mineral insulated cable			/7150										
Number of measuring systems													
1x			1										
2x			2										
Core values measuring system													
PT100 / Class B DIN EN 60751			n/a										
PT100 / Class A DIN EN 60751			K1.A										
PT100 / Class AA DIN EN 60751			K1.AA										
PT50/PT500/PT1000/PTC/NTC/KTY													
Types of electrical circuits													
2-wire-circuit			n/a										
3-wire-circuit			3-L										
4-wire-circuit			4-L										
Diameter of the measuring tube													
4,76 mm			4,76										
6 mm			6										
8 mm			8										
5/8 mm			5/8										
5/8/10 mm			5/8/10										
6/8 mm			6/8										
Measuring tube form (check graphic below)													
Angled 118°							W						
Plan							P						
Convex							B						
Spherical							K						
Customized special version													
Spring length													
180 mm as standard							18						
250 mm							25						
Mention in cm													
Bayonet version													
VK-14 (ID=12,4mm)								VK-14					
VK-17 (ID=14,5mm)								VK-17					
VK-19 (ID=16,5mm)								VK-19					
VK-21 (ID=15,5mm-pin version)								VK-21					
Further versions on request													
Thread adapter with wrench size or round													
without								-					
GN-40x30 (M10x1 x length)								40					
On request, check data sheet threaded adaptors													
Cable length in mm													
Mention in mm								XXXX					
Cable type													
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													
Connection													
Free Ends, 60 mm												A	
Check ends												PRF	
LEMO plug + number of poles + size												LST2P1S	
Round plug screw lock + number of poles + size												DST3PS	
M 12 Round plug + number of poles												EST-M12-4P	
On request, check datasheet plug types													
Temperature measuring tip													
Mention in °C													400 °C
Order code (example) → GF-7112 .1. K1.A. 3-L. 6. W. 18. VK-14. XX. 3000. A. 400 °C													

MEASURING TUBE DESIGN



MEASURES



DIGITAL DATA
2D, 3D and CAD

to Download