

Mantle – Thermocouple Series GF-7050

PRODUCT FEATURES

- ✓ Thermocouples
acc. to DIN EN 60584
- ✓ High precision thermo cable
- ✓ High precision measuring system
- ✓ Single / double measuring system
- ✓ Electrical isolated or not isolated
- ✓ Pure silver interior design
- ✓ Durable
- ✓ Process and failsafe
- ✓ Temperature and long term stable
- ✓ ATEX version
- ✓ FDA / CE compliant version

TECHNICAL DETAILS

Thermo voltage

Fe-CuNi/J-L, NiCr-Ni/K, Pt-RhPt/S-R

Diameter

0,50 mm – 6,00 mm in standard

Form of the measuring tip

118° angled, plan, convex

Material

Mantle cable 1.4571

Mantle cable 2.4816

Kink protection-/ threaded spring

Optional

Process temp. at the measuring tip

Up to +1200°C depending on version

Special feature

Mantle cable bendable

High – quality cable types

Thermocouple cables

All available versions

Connectivity

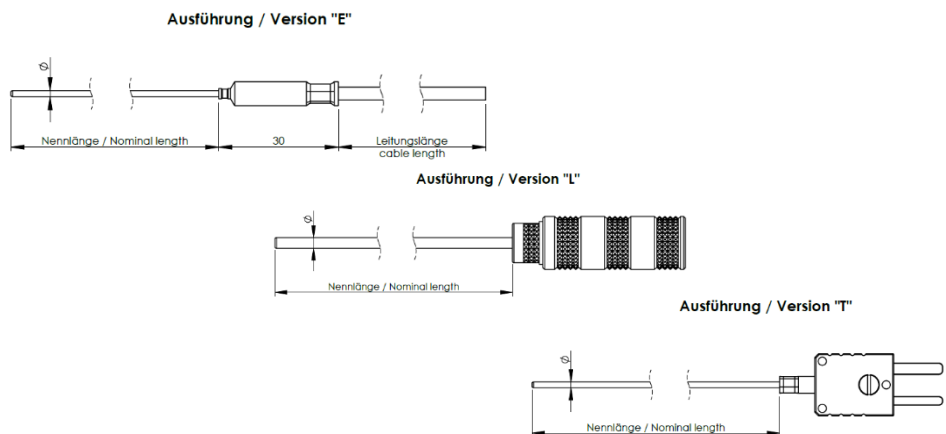
Free ends, plug, special

Special version

Customized, on request

Standard version										
	GF-7050									
Special version										
Standard (without mention)										
Sheathed cable bent according to specification		W								
Version with „PK“ connection head		PK								
Version with „BK“ connection head		BK								
ATEX		EX								
Number of measuring systems										
1x			1							
2x			2							
Type of element										
Fe-CuNi Type J					FK-J					
Fe-CuNi Type L					FK-L					
Fe-CuNi Type K					NC					
Check element selection										
Electrical properties										
Grounded						e				
Isolated						i				
Diameter of the measuring tube										
0,5 mm						0,5				
1,0 mm						1,0				
1,5 mm						1,5				
3,0 mm						3,0				
Mention in mm										
Measuring tube form (check graphic below)										
Angled 118°								W		
Plan								P		
Spherical								B		
Special version										
Nominal length										
50 mm								50		
100 mm								100		
Mention in mm										
Type cable transition										
E = with extension tube (E = diameter x length)									E	
T = with thermo plug									T	
L = with LEMO plug									L	
Further versions on request										
Process connection										
Without									-	
Compression fitting M8 x 1									37	
Compression fitting M10 x 1									40	
Compression fitting G1/4									43	
Compression fitting G1/2									82	
Further versions on request										
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
Thermo plug „S“ Standard / „M“ Mini										TSTXS
Round plug bayonet lock										CST3PB
Round plug screw lock										CST3PS
Check plug types										
Temperature measuring tip										
Mention in °C										400°C
Order code (example) → GF-7050 1. FK-J. e. 1,5. P. 50. E=6x30. 37. 3000. A. 400°C										

MEASURES



DIGITAL DATA
2D, 3D and CAD

[to Download](#)