

# Thermocouple Bayonet and angled cable outlet Series GF-7021

## 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

4,76 mm - 10,00 mm in standard

### Form of the measuring tip

118° angled, plan, convex

### Bayonet-lock

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

### Kink protection-/ threaded spring

Stainless steel 1.4571

### Process temp. at the measuring tip

Up to +600°C depending on version

### Process-connection adapter

Thread adapter

### High - quality cable types

Thermocouple cables  
All available versions

### Connectivity

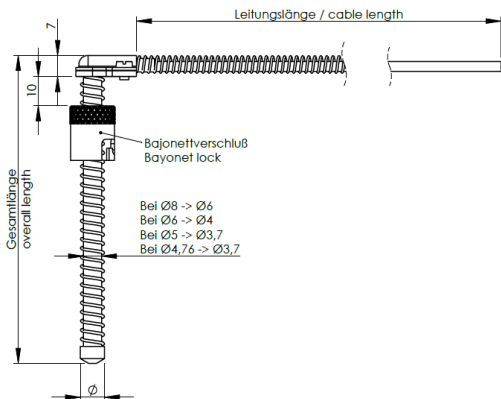
Free ends, plug, special

### Special version

Customized, on request

|  |         |   |      |   |    |       |                 |        |       |
|--|---------|---|------|---|----|-------|-----------------|--------|-------|
| <b>Standard version</b>  |         |   |      |   |    |       |                 |        |       |
|  | GF-7021 |   |      |   |    |       |                 |        |       |
| <b>High temperature version</b>  |         |   |      |   |    |       |                 |        |       |
| Mantle-thermocouple +600°C   | /7050   |   |      |   |    |       |                 |        |       |
| <b>Number of measuring systems</b>   |         |   |      |   |    |       |                 |        |       |
| 1x   |         | 1 |      |   |    |       |                 |        |       |
| 2x   |         | 2 |      |   |    |       |                 |        |       |
| <b>Type of element</b>   |         |   |      |   |    |       |                 |        |       |
| Fe-CuNi Type J   |         |   | FK-J |   |    |       |                 |        |       |
| Fe-CuNi Type L   |         |   | FK-L |   |    |       |                 |        |       |
| Fe-CuNi Type K   |         |   | NC   |   |    |       |                 |        |       |
| Check element selection  |         |   |      |   |    |       |                 |        |       |
| <b>Electrical properties</b>   |         |   |      |   |    |       |                 |        |       |
| Grounded   |         |   | e    |   |    |       |                 |        |       |
| Isolated   |         |   | i    |   |    |       |                 |        |       |
| <b>Diameter of the measuring tube</b>  |         |   |      |   |    |       |                 |        |       |
| 4,76 mm  |         |   | 4,76 |   |    |       |                 |        |       |
| 5,0 mm   |         |   | 5,0  |   |    |       |                 |        |       |
| 6,0 mm   |         |   | 6,0  |   |    |       |                 |        |       |
| 8,0 mm   |         |   | 8,0  |   |    |       |                 |        |       |
| Mention in mm  |         |   |      |   |    |       |                 |        |       |
| <b>Measuring tube form (check graphic below)</b>                                       |         |   |      |   |    |       |                 |        |       |
| Angled 118°  |         |   |      | W |    |       |                 |        |       |
| Plan   |         |   |      | P |    |       |                 |        |       |
| Convex   |         |   |      | B |    |       |                 |        |       |
| Special version  |         |   |      |   |    |       |                 |        |       |
| <b>Length over all</b>   |         |   |      |   |    |       |                 |        |       |
| 50 mm  |         |   |      |   | 50 |       |                 |        |       |
| Mention in mm  |         |   |      |   |    |       |                 |        |       |
| <b>Bayonet version</b>   |         |   |      |   |    |       |                 |        |       |
| VK-14 (ID=12,4mm)  |         |   |      |   |    | VK-14 |                 |        |       |
| VK-17 (ID=15,4mm)  |         |   |      |   |    | VK-17 |                 |        |       |
| VK-19 (ID=16,5mm)  |         |   |      |   |    | VK-19 |                 |        |       |
| VK-21 (ID=15,5mm-Stiftausführung)  |         |   |      |   |    | VK-21 |                 |        |       |
| Further versions on request  |         |   |      |   |    |       |                 |        |       |
| <b>Thread adapter with wrench size or round</b>  |         |   |      |   |    |       |                 |        |       |
| without  |         |   |      |   |    | -     |                 |        |       |
| GN-40x30 (M10x1 x length)  |         |   |      |   |    | 40    |                 |        |       |
| GN-41x30 (M12x1 x length)  |         |   |      |   |    | 41    |                 |        |       |
| GN-42-30 (M14x1,5 x length)  |         |   |      |   |    | 42    |                 |        |       |
| GN-43x30 (G1/4 x length)   |         |   |      |   |    | 43    |                 |        |       |
| Further versions on request  |         |   |      |   |    |       |                 |        |       |
| <b>Cable length in mm</b>  |         |   |      |   |    |       |                 |        |       |
| Angabe 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    |       |
| Thermo plug „S“ Standard / „M“ Mini  |         |   |      |   |    |       |                 | TSTXS  |       |
| Round plug bayonet lock  |         |   |      |   |    |       |                 | CST3PB |       |
| Round plug screw lock  |         |   |      |   |    |       |                 | CST3PS |       |
| Check plug types   |         |   |      |   |    |       |                 |        |       |
| <b>Temperature measuring tip</b>   |         |   |      |   |    |       |                 |        |       |
| Mention in °C  |         |   |      |   |    |       |                 |        | 400°C |
| <b>Order code (example)</b> → GF-7021 1 FK-J. e. 4,0. W. 50. VK-14. 42. 3000. A. 400°C |         |   |      |   |    |       |                 |        |       |

MEASURES



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

to Download