

## Thermocouple Cable sensor straight protection tube Series GF-7024

### 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

1,87 mm - 12,00 mm in standard

#### Form of the measuring tip

118° angled, plan, convex

#### Installation length

Min. 5mm up to max. 2000mm

#### Material

Stainless steel or brass

#### Process temp. at the measuring tip

Up to +600°C depending on version

#### Cable outlet

Extension sleeve made of stainless steel

#### High - quality cable types

Thermocouple cables  
All available versions

#### Connectivity

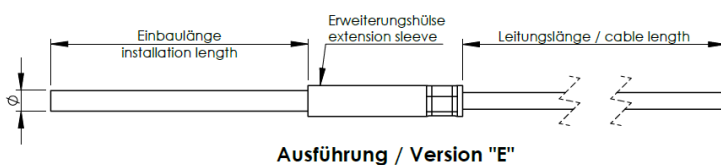
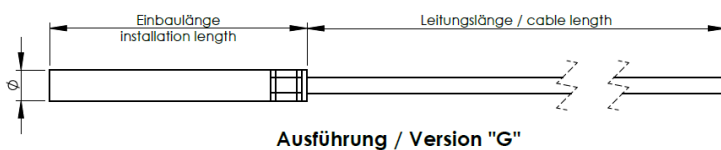
Free ends, plug, special

#### Special version

Customized, on request

|   |         |      |     |   |         |      |                 |        |       |
|---|---------|------|-----|---|---------|------|-----------------|--------|-------|
| <b>Standard version</b>   |         |      |     |   |         |      |                 |        |       |
|   | GF-7024 |      |     |   |         |      |                 |        |       |
| <b>High temperature version</b>   |         |      |     |   |         |      |                 |        |       |
| Standard (straight)   | /G      |      |     |   |         |      |                 |        |       |
| Standard (angled)   | /W      |      |     |   |         |      |                 |        |       |
| ATEX  | EX      |      |     |   |         |      |                 |        |       |
| <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>   |         |      |     |   |         |      |                 |        |       |
| 3,0 mm  |         |      | 3,0 |   |         |      |                 |        |       |
| 4,0 mm  |         |      | 4,0 |   |         |      |                 |        |       |
| 5,0 mm  |         |      | 5,0 |   |         |      |                 |        |       |
| 6,0 mm  |         |      | 6,0 |   |         |      |                 |        |       |
| Mention in mm   |         |      |     |   |         |      |                 |        |       |
| <b>Measuring tube form (check graphic below)</b>                                    |         |      |     |   |         |      |                 |        |       |
| Angled 118°   |         |      |     | W |         |      |                 |        |       |
| Plan  |         |      |     | P |         |      |                 |        |       |
| Convex  |         |      |     | B |         |      |                 |        |       |
| Special version   |         |      |     |   |         |      |                 |        |       |
| <b>Installation length</b>  |         |      |     |   |         |      |                 |        |       |
| 50 mm   |         |      |     |   | 50      |      |                 |        |       |
| Angabe in mm  |         |      |     |   |         |      |                 |        |       |
| <b>Cable outlet design (check graphic below)</b>                                    |         |      |     |   |         |      |                 |        |       |
| Version E = diameter x length   |         |      |     |   | 6x30 mm |      |                 |        |       |
| <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    |       |
| 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) → GF-7024 1 FK-J. e. 6,0. P. 50. 6x30 mm 3000. A. 400°C</b> |         |      |     |   |         |      |                 |        |       |

MEASURES





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

to Download