

## Thermocouple High temperature angled sensor 22mm Series GF-8005

### 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

#### Protection tube diameter

22,00 mm in standard

#### Installation length

Min. 30 mm up to max. 3000mm

#### Process connection

Compression fitting, gas tight  
Clamp flange

#### Thread size

G1  
Further versions on request

#### Process temp. at the measuring tip

Up to +1200°C depending on version

#### Connection head versions

BK, KK, AK with or without transmitter

#### Optional versions

Measuring insert (optional)  
Further versions on request

#### Leg lengths

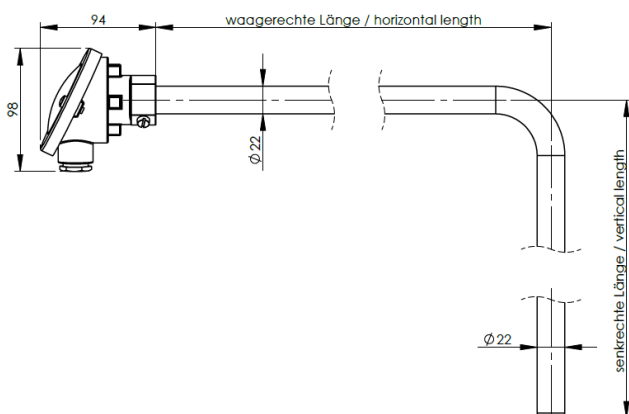
Vertically and horizontally freely  
selectable

#### Protection tube material

Stainless steel 1.4571  
High temperature steel 1.4762

|                                    |          |         |      |       |    |     |     |      |          |     |       |
|------------------------------------|----------|---------|------|-------|----|-----|-----|------|----------|-----|-------|
| <b>Standard version</b>            |          |         |      |       |    |     |     |      |          |     |       |
| Version with neck tube             | GF-8005  |         |      |       |    |     |     |      |          |     |       |
| Special version                    |          |         |      |       |    |     |     |      |          |     |       |
| <b>Number of measuring systems</b> |          |         |      |       |    |     |     |      |          |     |       |
| 1 x                                |          | 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 protection tube</b>    |          |         |      |       |    |     |     |      |          |     |       |
| 22,00 mm                           |          |         |      | 22,00 |    |     |     |      |          |     |       |
| Mention in mm                      |          |         |      |       |    |     |     |      |          |     |       |
| <b>Material protection tube</b>    |          |         |      |       |    |     |     |      |          |     |       |
| Stainless steel 1.4571             |          |         |      |       | D  |     |     |      |          |     |       |
| High temperature steell 1.4762     |          |         |      |       | B  |     |     |      |          |     |       |
| Further versions on request        |          |         |      |       |    |     |     |      |          |     |       |
| <b>Leg length vertically</b>       |          |         |      |       |    |     |     |      |          |     |       |
| 250 mm                             |          |         |      |       |    | 250 |     |      |          |     |       |
| Mention in mm                      |          |         |      |       |    |     |     |      |          |     |       |
| <b>Leg length horizontally</b>     |          |         |      |       |    |     |     |      |          |     |       |
| 500 mm                             |          |         |      |       |    |     | 500 |      |          |     |       |
| Mention in mm                      |          |         |      |       |    |     |     |      |          |     |       |
| <b>Thread / mounting</b>           |          |         |      |       |    |     |     |      |          |     |       |
| G1                                 |          |         |      |       |    |     |     | 84   |          |     |       |
| Mounting flange                    |          |         |      |       |    |     |     | F    |          |     |       |
| Further versions on request        |          |         |      |       |    |     |     |      |          |     |       |
| <b>Connection head version</b>     |          |         |      |       |    |     |     |      |          |     |       |
| BK                                 |          |         |      |       |    |     |     |      | BK       |     |       |
| KK                                 |          |         |      |       |    |     |     |      | KK       |     |       |
| AK                                 |          |         |      |       |    |     |     |      | AK       |     |       |
| Check connection head selection    |          |         |      |       |    |     |     |      |          |     |       |
| <b>Transmitter option</b>          |          |         |      |       |    |     |     |      |          |     |       |
| MU + value                         |          |         |      |       |    |     |     |      | MU4-20mA |     |       |
| <b>Temperature measuring tip</b>   |          |         |      |       |    |     |     |      |          |     |       |
| Mention in °C                      |          |         |      |       |    |     |     |      | 400°C    |     |       |
| <b>Order code (example)</b>        | <b>→</b> | GF-8005 | 1.   | FK-J. | e. | 22. | D   | 250. | 500.     | AK. | 400°C |

MEASURES



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

[to Download](#)