



Resistance thermometer Installation sensor with bayonet Series GF-7108

PRODUCT FEATURES

- ✓ Resistance thermometer acc. to DIN EN 60751
- ✓ High precision platinum sensor
- ✓ 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

1,0 mm – 6,00 mm in standard

Form of the measuring tip

118° angled, plan, convex, spherical

Bayonet lock

Nickel-plated steel or stainless steel
VK-8

Kink protection-/ threaded spring

- Stainless steel / Inconel up to 1000 mm
- Standard 180 mm
- Standard 250 mm

Process temp. at the measuring tip

Up to +600°C depending on version

Process-connection adapter

Thread adapter

High – quality cable types

Connection cables
All available versions

Connectivity

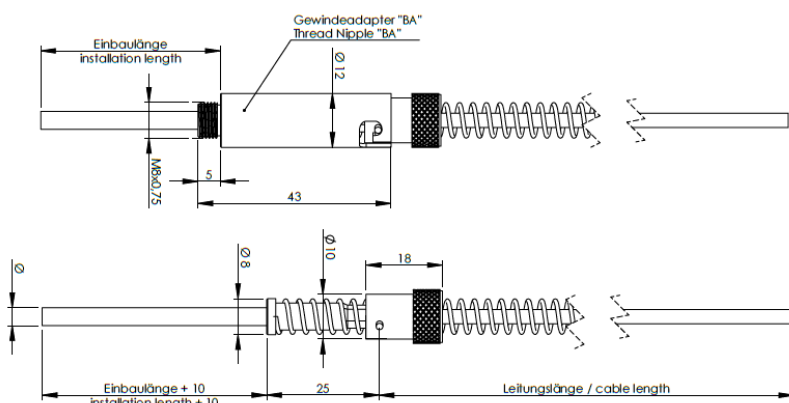
Free ends, plug, special

Special version

Customized, on request

| | | | | | | | | | | | | | |
|---|---------|---------|---|----|-----|-----|----|-----|-----------------|------------|-------|----|-------|
| Standard version | | | | | | | | | | | | | |
| | GF-7108 | | | | | | | | | | | | |
| Number of measuring systems | | | | | | | | | | | | | |
| 1x | | 1 | | | | | | | | | | | |
| 2x | | 2 | | | | | | | | | | | |
| Core values measuring system | | | | | | | | | | | | | |
| PT100 Class B | | n/a | | | | | | | | | | | |
| PT100 Class A | | K1A | | | | | | | | | | | |
| PT100 Class AA | | K1AA | | | | | | | | | | | |
| PT50/PT500/KTY/NTC/PTC + Type | | KTY | | | | | | | | | | | |
| Further versions on request | | | | | | | | | | | | | |
| Types of electrical circuits | | | | | | | | | | | | | |
| 2-wire-circuit | | n/a | | | | | | | | | | | |
| 3-wire-circuit | | 3-L | | | | | | | | | | | |
| 4-wire-circuit | | 4-L | | | | | | | | | | | |
| Further versions on request | | | | | | | | | | | | | |
| Diameter of the measuring tube | | | | | | | | | | | | | |
| 1,0 mm | | 1,0 | | | | | | | | | | | |
| 1,5 mm | | 1,5 | | | | | | | | | | | |
| 3,0 mm | | 3,0 | | | | | | | | | | | |
| 4,0 mm | | 4,0 | | | | | | | | | | | |
| Mention in mm | | | | | | | | | | | | | |
| Measuring tube form (check graphic below) | | | | | | | | | | | | | |
| Angled 118° | | | | | | | | | W | | | | |
| Plan | | | | | | | | | P | | | | |
| convex | | | | | | | | | B | | | | |
| Spherical | | | | | | | | | K | | | | |
| Special form | | | | | | | | | | | | | |
| Installation length incl. thread adapter | | | | | | | | | | | | | |
| 50 mm | | | | | | | | | 50 | | | | |
| Mention in mm | | | | | | | | | | | | | |
| Bayonet version | | | | | | | | | | | | | |
| VK-08 (OD=10,0mm) Standard | | | | | | | | | VK-05 | | | | |
| Further versions on request | | | | | | | | | | | | | |
| Thread adapter with wrench size or round | | | | | | | | | | | | | |
| without | | | | | | | | | - | | | | |
| GN-38x43 (M8x0,75 x length) Standard | | | | | | | | | 38 | | | | |
| 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 | | | |
| LEMO plug + size + number of poles | | | | | | | | | | LST2PS | | | |
| Round plug screw lock + size + number of poles | | | | | | | | | | DST3PS | | | |
| M 12 Round plug + number of poles | | | | | | | | | | EST-M12-4P | | | |
| Check plug types | | | | | | | | | | | | | |
| Temperature measuring tip | | | | | | | | | | | | | |
| Mention in °C | | | | | | | | | | 400°C | | | |
| Order code (example) | → | GF-7108 | 1 | -. | 3-L | 3,0 | P. | 50. | VK-08. | 38. | 3000. | A. | 400°C |

MEASURES



DIGITAL DATA
2D, 3D and CAD

[to Download](#)