

INDUSTRY-TEMPERATURE PROBE



- HIGHLIGHTS:
- Pt100, Pt1000, NiCr-Ni (type K)
  - complete with thread and cable (loose ends)
  - very robust

GTF 102

Einschraub-Temperaturfühler

General:

The GTF 102 is a temperature probe that can be fully tailored according to customers' requirements. The robust GTF 102 is especially suited for applications at high permanent temperatures and pressures in air, gases or liquids. The temperature is measured with either thermocouple (NiCr-Ni) or resistance temperature sensors (Pt100 / Pt1000). The probe is provided by default with tread, cable sleeve and 1 m silicone cable (compensation line with loose ends).

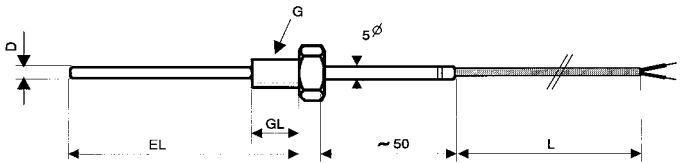
Specifications:

|                      |                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------|
| Sensor element:      | Pt100 (2- / 3- or 4- wire), Pt1000 (2- / 3- or 4- wire) NiCr-Ni                                                 |
| Accuracy (standard): | Pt100 / Pt1000: DIN class B, NiCr-Ni: class 1                                                                   |
| Tube material:       | V4A (1.4404)                                                                                                    |
| Thread material:     | stainless steel                                                                                                 |
| Connection cable:    | standard: silicone compensation line, loose ends, length: 1 m (up to max. 200) incl. stainless steel kink guard |

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| Greisinger |                   |                                                          |
|------------|-------------------|----------------------------------------------------------|
| 1.         | Sensor element    |                                                          |
|            | P2                | Pt100 (2-wire)                                           |
|            | P3                | Pt100 (3-wire)                                           |
|            | P4                | Pt100 (4-wire)                                           |
|            | T2                | Pt1000 (2-wire)                                          |
|            | T3                | Pt1000 (3-wire)                                          |
|            | T4                | Pt1000 (4-wire)                                          |
|            | K                 | Type K (NiCr-Ni)                                         |
| 2.         | Accuracy          |                                                          |
|            | A                 | DIN class A                                              |
|            | B                 | DIN class B                                              |
|            | D                 | DIN class AA (1/3 DIN class B)                           |
|            | Z                 | 1/10 DIN cl. B                                           |
|            | 1                 | Class 1                                                  |
| 3.         | Measuring range   |                                                          |
|            | MB1               | -50 ... +200 °C                                          |
|            | MB2               | -50 ... +400 °C                                          |
|            | MB3               | -50 ... +600 °C                                          |
| 4.         | Probe diameter D  |                                                          |
|            | 15                | 1.5 mm                                                   |
|            | 22                | 2.2 mm rigid                                             |
|            | 30                | 3 mm                                                     |
|            | 30M               | 3 mm jacket element (rigid approx. 30 mm, then bendable) |
|            | 40                | 4 mm                                                     |
|            | 50                | 5 mm                                                     |
|            | 60                | 6 mm                                                     |
|            | 80                | 8 mm                                                     |
| 5.         | Fitting length EL |                                                          |
|            | 0100              | 100 mm                                                   |
|            | 0150              | 150 mm                                                   |
|            | 0250              | 250 mm                                                   |
|            | 0500              | 500 mm                                                   |
|            | 1000              | 1000 mm                                                  |

|    |                   |                                     |
|----|-------------------|-------------------------------------|
| 6. | Thread            |                                     |
|    | G1                | G ½                                 |
|    | G2                | G ¼                                 |
|    | G3                | G ¾                                 |
|    | G4                | G ⅝                                 |
|    | G5                | G ⅜                                 |
|    | M5                | M5                                  |
|    | M6                | M6                                  |
|    | M8                | M8                                  |
|    | M08               | M8x1                                |
|    | M0                | M10                                 |
|    | M01               | M10x1                               |
| 7. | Cable with length |                                     |
|    | L01-P             | 1 m PVC cable, -20 ... +105 °C      |
|    |                   | Each further meter                  |
|    | L01-S             | 1 m silicone cable, -50 ... +200 °C |
|    |                   | Each further meter                  |
|    | L01-G             | 1 m glass fibre, -50 ... +400 °C    |
|    |                   | Each further meter                  |
|    | L01-T             | 1 m Teflon cable, -200 ... +250 °C  |
|    |                   | Each further meter                  |
|    | L01-P             | 1 m PVC cable, -20 ... +70 °C       |
|    |                   | Each further meter                  |
| 8. | Connection        |                                     |
|    | MD                | Mini-DIN plug 4pole                 |
|    | NT                | NST1200 flat-pin plug               |
|    | NU                | NKU1200 coupling                    |
|    | BS2               | 2 x banana plug Ø4 mm               |
|    |                   | Loose ends                          |
|    | M8B               | M8 socket (for EASYLOG option AFK)  |
|    | BNC               | BNC plug                            |



Special dimensions, special jacket materials, etc. available on request.