

Specification

Temperature range / sensing element

-50÷400°C **Pt100** class B
 -40÷400°C **K, J** class 2

Sheath

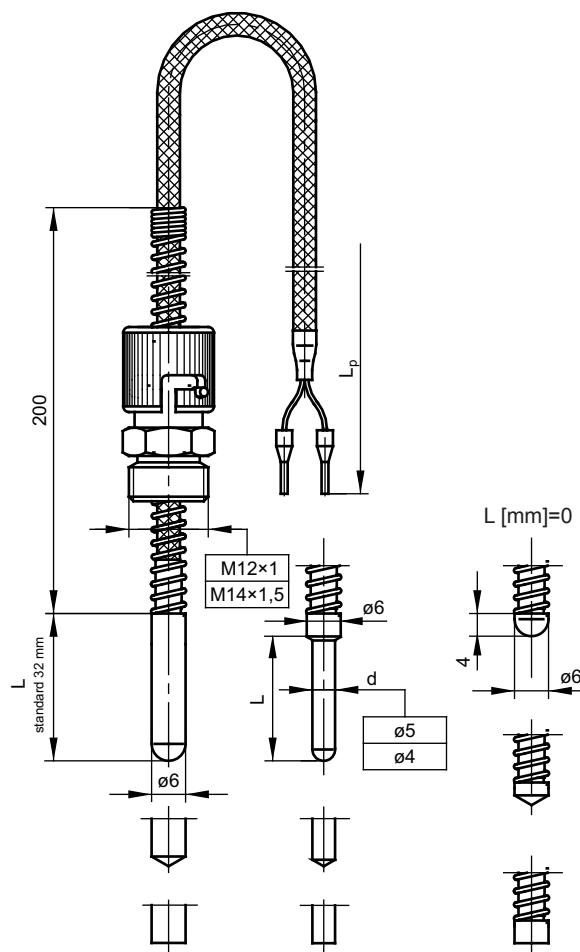
- material: stainless steel 1.4541
- diameter [mm]: 4; 5; 6
- length L [mm]: 0÷100
- spring diameter [mm]: 6
- round (K), flat (P) and tapered (S) tips
- bayonet fitting with connector- nickel-plated brass
- standard length of sheath with flat tip L [mm]: 32

Lead wire

- stranded Cu wire or thermocouple stranded wire: 2x0,22 mm²
- fiberglass insulation, metallic overbraid
- length L_p [m]: 1,5 (standard)
- Cu wire resistance ~0,14 Ω/m = ~0,36°C

Options

- Pt500, Pt1000, Ni100, Ni1000, T
- other lead wire insulation types: PVC, silicone, teflon, acc. to requirements
- hot junction: insulated SO, grounded SP
- 3-, 4-wire connection for Pt100
- Pt100: class A -30÷300°C, class AA 0÷150°C; TC: class 1
- other threads – inch e.g. G¼; G¾
 metric e.g. M10x1; M12x1,25, M12x1,5; M12; M14; M16x1,5



Ordering code

Temperature sensor



- RTD Pt100: **OP**
- Thermocouple Fe-CuNi: **TJ**
- Thermocouple NiCr-NiAl: **TK**
- Flat tip: **P**
- Round tip: **K**
- Tapered tip: **S**
- Sheath length L [mm]: **32** or other*
- Tip diameter d [mm] : **6** or **8**
- Thread dimension: **M12x1** or other*
- RTD type: **Pt100** or hot junction type: **SO, SP**
- RTD / thermocouple class: **A, B*/ 1,2**
- RTD Pt100 connection: **2, 3, 4- wire**
- Lead wire length L_p [m]: **1,5** or other*
- *Other parameters acc. to requirements

Ordering example:

TOPE-26-S-32-6-G¼-Pt100-B-2-1,5 m single sensor with Pt100, class B, 2-wire connection, sheath with tapered tip, length L=32 mm and diameter 6 mm with bayonet fitting and threaded connector G¼, lead wire with fiberglass insulation, metallic overbraid, length L_p=1,5 m

TTJE-26-P-10-5- M12x1-SO-2-1,5 m single sensor with thermocouple Fe-CuNi /J/, class 2, sheath with flat tip, length L=10 mm and diameter 5 mm with bayonet fitting and threaded connector M12x1, lead wire with fiberglass insulation, metallic overbraid, length L_p=1,5m