

Specification

Temperature range / sensing element

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

Sheath

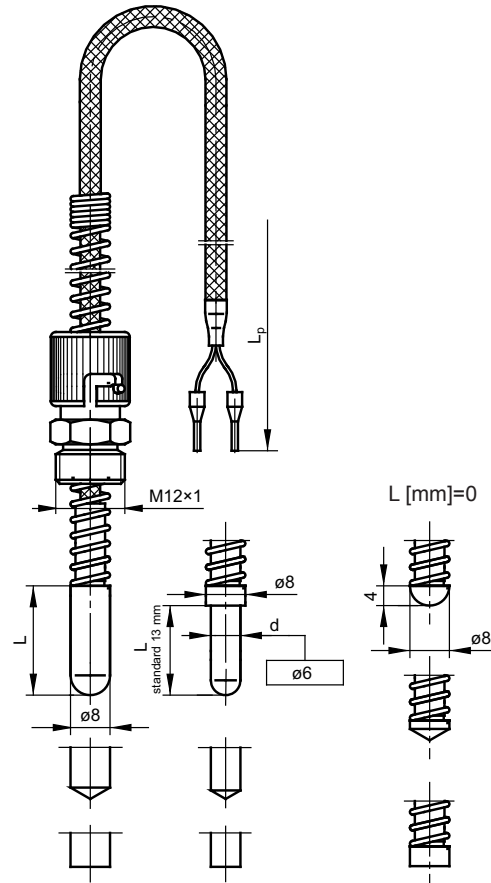
- material: stainless steel 1.4541
- diameter [mm]: 6; 8
- length L [mm]: 0÷100
- spring diameter [mm]: 8
- round (K), flat (P) and tapered (S) tips
- bayonet fitting with connector- nickel-plated brass
- standard length of sheath with round tip L [mm]: 32

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. G¹/₄; G³/₈
metric e.g. M10x1; M12x1,25; M12x1,5, M12; M14x1,5; 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 L₀ [mm]: **13** 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-28-K-10-6-M14x1,5-Pt100-B-2-2 m single sensor with Pt100, class B, 2-wire connection, sheath with round tip, length L=10 mm and diameter 6 mm, lead wire length L_p=2 m, threaded connector M14x1,5

TTJE-28-P-50-8-M12x1-SO-2-1,5 m single sensor with thermocouple Fe-CuNi /J/, class 2, sheath with flat tip, length L=50 mm and diameter 8 mm, lead wire length L_p=1,5 m, threaded connector M12x1