

Temperature Sensors for Surface Measurement **TOPE-6, TTJE-6, TTKE-6**

**Specification**

**Temperature range / sensing element**

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

**Sheath**

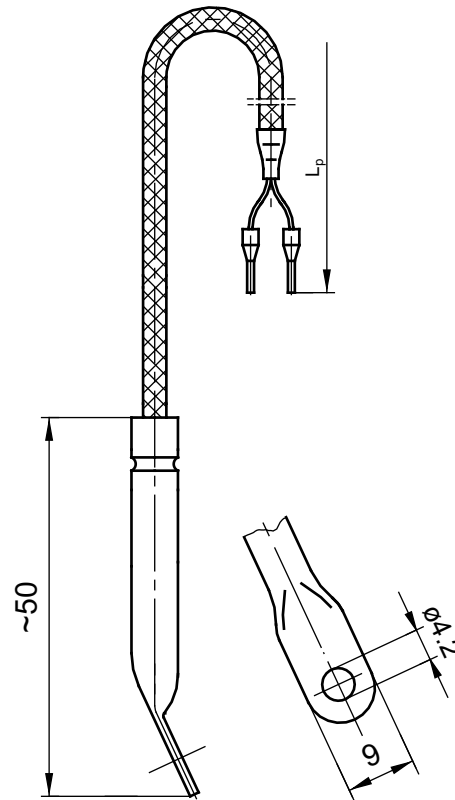
- material: stainless steel 1.4541
- diameter [mm]: 6
- length [mm]: 50
- 9 mm wide tip suitable for mounting to flat surfaces with M4 screw

**Lead wire**

- stranded Cu wire or thermocouple stranded wire: 2x0,22 mm<sup>2</sup>
- fiberglass insulation, metallic overbraid
- length L<sub>p</sub> [m]: 1,5 (standard)
- Cu wire resistance ~0,14 Ω/m = ~0,36°C

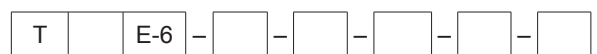
**Options**

- Pt500, Pt1000, Ni100, Ni1000
- other lead wire insulation types acc. to requirements:
  - operating temperature of silicone insulation – up to 180°C
  - operating temperature of teflon insulation – up to 200°C
  - operating temperature of PVC insulation – up to 100°C
- 3-, 4-wire connection for Pt100
- Pt100: class A -30÷300°C, class AA 0÷150°C; TC: class 1



**Ordering code**

Temperature sensor



- RTD Ni: **ON** \_\_\_\_\_
  - RTD Pt: **OP** \_\_\_\_\_
  - Thermocouple Fe-CuNi: **TJ** \_\_\_\_\_
  - Thermocouple NiCr-NiAl: **TK** \_\_\_\_\_
  - RTD type: **Pt100** or other\* \_\_\_\_\_
  - RTD / thermocouple class: **A, B\*/ 1, 2** \_\_\_\_\_
  - RTD connection: **2, 3, 4- wire** \_\_\_\_\_
  - Lead wire insulation: **Si** – silicone; **Ws** – fiberglass \_\_\_\_\_
  - Lead wire length L<sub>p</sub> [m]: **1,5** or other\* \_\_\_\_\_
- \*Other parameters acc. to requirements

Ordering example:

**TOPE-6-Pt500-B-2-Si-2 m** RTD sensor with Pt500, class B, 2-wire connection, silicone insulated lead wire length L<sub>p</sub>=2 m

**TTJE-6-2-Ws-1,5 m** sensor with thermocouple Fe-CuNi //J/, class 2, fiberglass insulated lead wire length L<sub>p</sub>=1,5 m