

Temperature Sensors for Measurement of Machinery and Device Parts **TOPE-361, 362, TTJE-361, 362, TTKE-361, 362**

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 d [mm]: 3; 4; 5; 6; 8
- length L [mm]: 30÷500

Lead wire

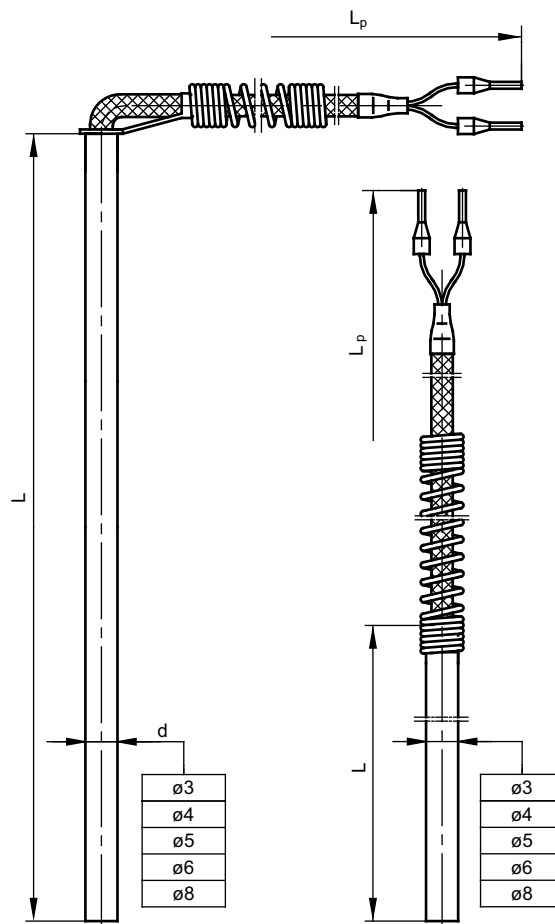
- stranded Cu wire or thermocouple stranded wire: 2x0,22 mm²
- fiberglass insulation, metallic overbraid
- length L_p [m]: 1,5
- Cu wire resistance ~0,14 Ω/m = ~0,36°C

Options

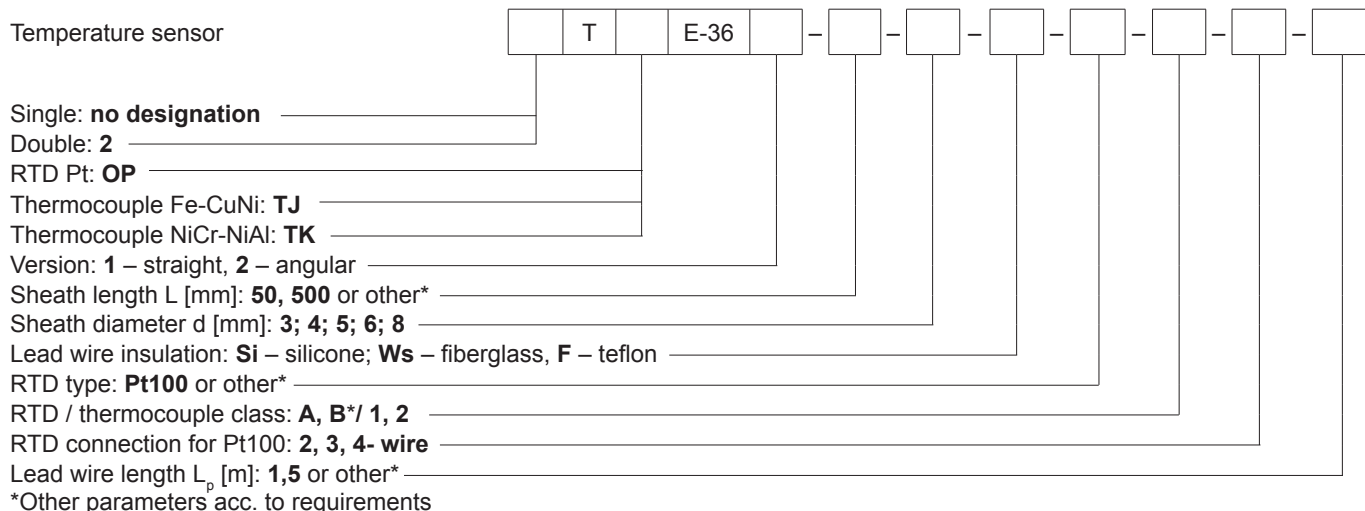
- Pt500, Pt1000, Ni100, Ni1000
- other lead wire insulation types: silicone, teflon, PVC
- operating temperature of silicone insulation – up to 180°C
- operating temperature of teflon insulation – up to 200°C
- operating temperature of PVC insulation – up to 100°C
- hot junction: insulated SO, grounded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

Additional accessories

- sensor mounting fittings: UG-1, UG-3, UZK-1; pp. 155÷156
- additional protection tubes OG, OS-4 – pp. 149÷150



Ordering code



Ordering example:

TOPE-361-100-6-Si-Pt100-B-2-4 m sensor with Pt100, class B, 2-wire connection, sheath diameter 6 mm, sensor length L=100 mm, silicone insulated lead wire length L_p=4 m

TTJE-361-200-6-Ws-1-3 m sensor with thermocouple Fe-CuNi /J/, class 1, sheath diameter 6 mm, sensor length L=200 mm, fiberglass insulated lead wire length L_p=3 m