

Temperature Sensors for Surface Measurement TOP-AL2, TTJ-AL2, TTK-AL2,

Specification

Temperature range / sensing element

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

Sheath

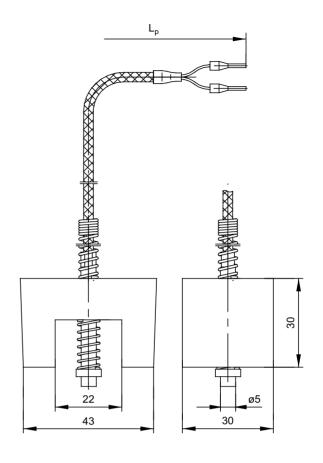
- material: stainless steel 1.4541
- mounting: Alnico magnet 22-36
- sensor sheath mounted with magnet

Lead wire

- stranded Cu wire or thermocouple stranded wire: 2x0,22 mm²
- fiberglass insulation, metallic overbraid
- length L_n [m]: 1,5 (standard)
- Cu wire resistance $\sim 0.14 \Omega/m = \sim 0.36$ °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
- 3-, 4-wire connection for Pt100
- Pt100: class A -30÷300°C, class AA 0÷150°C; TC: class 1
- grounded hot junction: SP



Ordering code

Temperature sensor	Т	- AL2 -		
Thermocouple Fe-CuNi: TJ Thermocouple NiCr-NiAl: TK RTD Pt: OP RTD type: Pt100				
RTD / thermocouple class: A, B*/ 1, 2 RTD Pt connection or hot junction type: 2, 3, 4- wire or SO, SP Lead wire length L. [m]: 1.5 or other*				

*Other parameters acc. to requirements

Ordering example:

TOP-AL2-Pt100-A-3-1 m single sensor with Pt100, class A, 3-wire connection, lead wire length L_D=1 m

TTJ-AL2-2-SO-1,5 m single sensor with thermocouple Fe-CuNi /J/, class 2, lead wire

length L_n=1,5 m