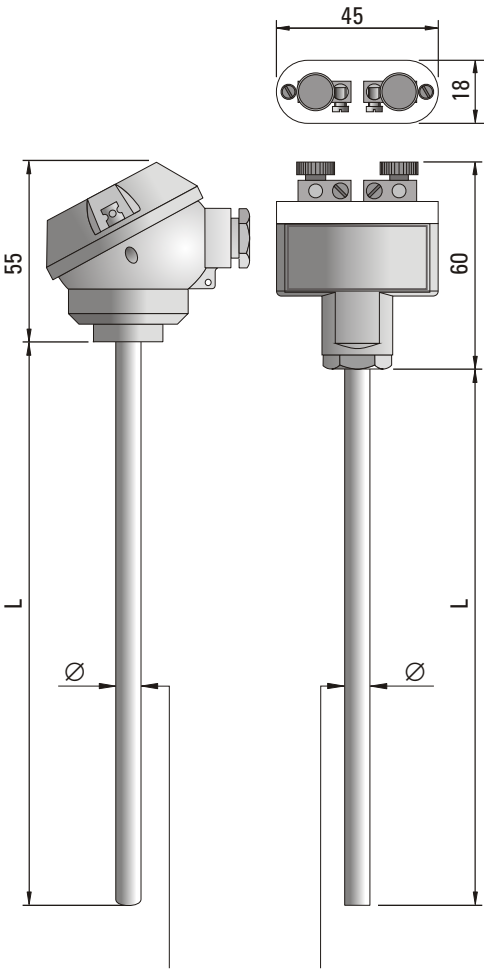


TEMPERATURE SENSOR

type 401, 402, 403, 404, 405, 406, 407, 408

SPECIFICATION

Temperature range	–200°C...+550°C (Pt100) –200°C...+400°C (T) –200°C...+600°C (J) –200°C...+900°C (K)
Measuring element	platinum resistor (Pt100) ⁽¹⁾ Cu-CuNi (T) Fe-CuNi (J) NiCr-NiAl (K)
Class of processing element	2 (B) ⁽¹⁾
Conductor material	wire Cu/Ni (for Pt100)
Assembly	2, 3 or 4 wires (for Pt100)
Measuring junction	insulated ⁽¹⁾
Sheath material	steel 1.4541
Connection head type	MA or B ⁽⁴⁾ , oval opened
Roughness of sheath surface	R _a < 0,8 μm ⁽²⁾
Head operating temperature	–40°C...+100°C
Additional accessories	compression gland type KP clamping plate UZ temperature transmitter compensation cable



Type	Ø (mm) ⁽⁴⁾	Type
TP-401	6	TP-406
TP-402	8	TP-407
TP-403	10	TP-408
TP-404	12	
TP-405	15	

⁽¹⁾ Pt500, Pt1000, Ni100, Ni1000 on demand
⁽²⁾ Other parameters according to customer's requirements
⁽³⁾ Connection head with protection class IP65 or acid resistant on demand
⁽⁴⁾ Protection tube of outer diameter Ø9 and Ø11 mm on demand

ORDERING CODE

Sensor type **401, 402, 403, 404, 405, 406, 407, 408**

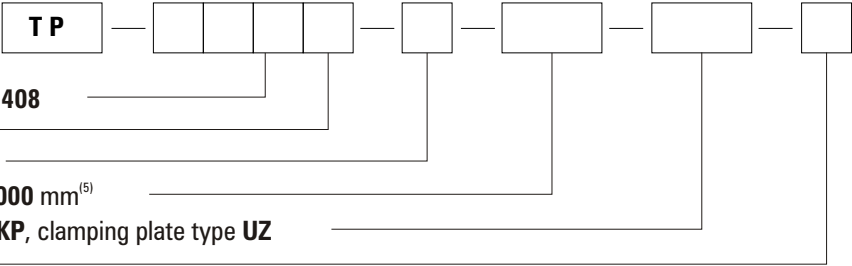
Measuring element **Pt100, T, J, or K**

Single **(1)** or double **(2)** measuring element

Sensor length L = **200, 300, 400, 600, 800 or 1000** mm⁽⁵⁾

Additional accessories: compression gland type **KP**, clamping plate type **UZ**

Option with the head-mount transmitter **T**



Example for order:

TP-401K-1-400 sensor with single thermocouple NiCr-NiAl (K), with connection head type MA, sheath outer diameter Ø = 6mm and length L = 400mm.

TP-401K-1-400-T; TCH-2140-K sensor with single thermocouple NiCr-NiAl (K), with connection head type B, option with head-mount transmitter type TCH-2140-K.