

TEMPERATURE SENSOR

type 471, 472

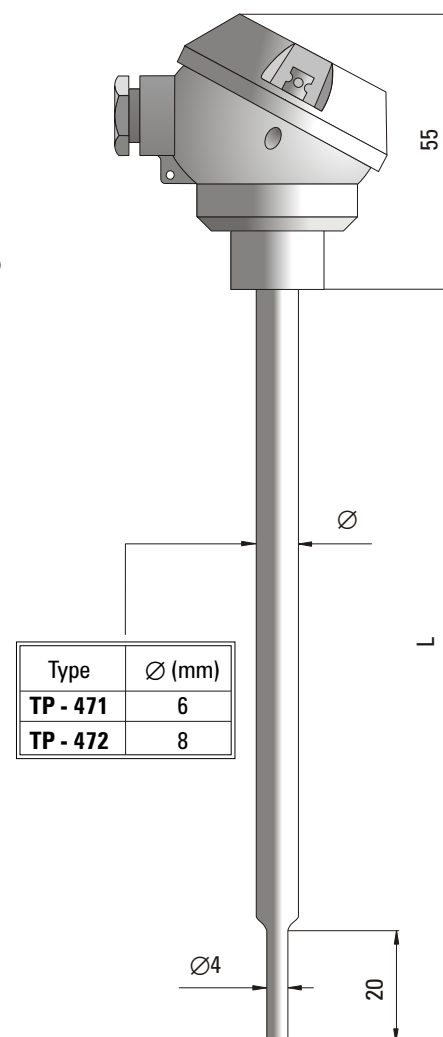
SPECIFICATION

Temperature range	–40°C...+550°C (Pt100) –40°C...+400°C (T) –40°C...+600°C (J) –40°C...+700°C (K)
Measuring element	platinum resistor (Pt100) ⁽¹⁾ thermocouple Cu-CuNi (T) thermocouple Fe-CuNi (J) thermocouple NiCr-NiAl (K)
Class of processing element	2 (B) ⁽²⁾
Conductor material	wire Cu/Ni (for Pt100)
Assembly	2, 3 or 4 wires (for Pt100)
Measuring junction	insulated ⁽²⁾
Sheath material	steel 1.4541
Roughness of sheath surface	$R_a < 0,8 \mu m$ ⁽²⁾
Maximum operating pressure	1,6 MPa
Connection head type	MA or B ⁽³⁾
Head operating temperature	–40°C...+100°C
Additional accessories	compression gland type KP temperature transmitter compensation cable

⁽¹⁾ Pt500, Pt1000, Ni100, Ni1000 on demand

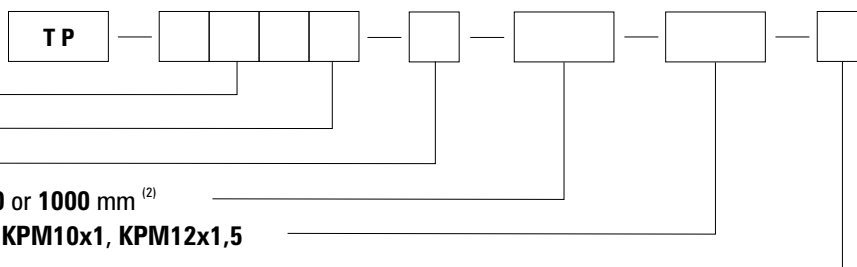
⁽²⁾ Other parameters according to customer requirements

⁽³⁾ Connection head with protection class IP65 or acid resistant on demand



ORDERING CODE

Sensor type **471, 472**
Measuring element **Pt100, T, J or K**
Single **(1)** or double **(2)** measuring element
Sensor length L = **100, 200, 300, 400, 600, 800 or 1000 mm**⁽²⁾
Additional accessories: compression gland type **KPM10x1, KPM12x1,5**
Option with the head-mount transmitter **T**



Example for order:

TP-471K-1-400 sensor with connection head type MA, with single thermocouple NiCr-NiAl (K) of outer diameter $\varnothing = 6mm$ and length L=400mm.

TP-471K-1-400-T; TCH-2140-K sensor with connection head type B, option with the head-mount transmitter type TCH-2140-K