

TEMPERATURE SENSOR

type 611, 612, 613, 614

type 621, 622, 623, 624

SPECIFICATION

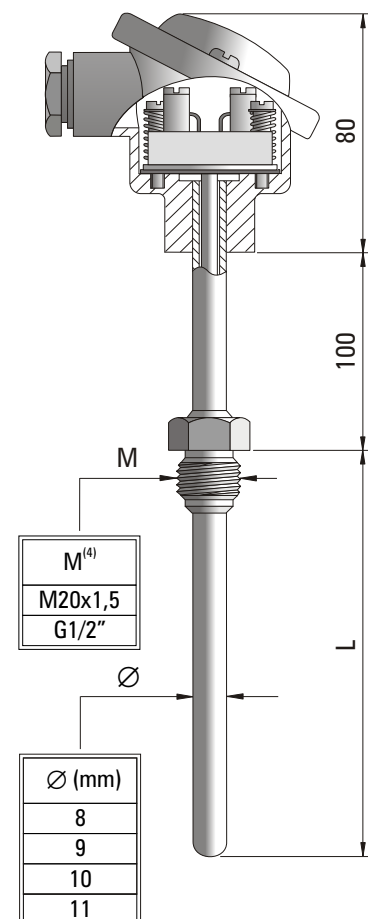
Temperature range	-40°C...+550°C (Pt100) -40°C...+400°C (T) -40°C...+600°C (J) -40°C...+900°C (K)
Measuring element - insert type TP-701	platinum resistor (Pt100) ⁽¹⁾ thermocouple Cu-CuNi (T) thermocouple Fe-CuNi (J) thermocouple NiCr-NiAl (K)
Class of processing element	2 (B) ⁽²⁾
Conductor material	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	$R_a < 0,8 \mu\text{m}^{(2)}$
Maximum operating pressure	see Sheath Operating Loads information
Connection head type	B or NA ⁽³⁾
Head operating temperature	-40°C...+100°C
Additional accessories	temperature transmitter thermowell for welding compensation cable

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

⁽²⁾ Other parameters according to customer requirements

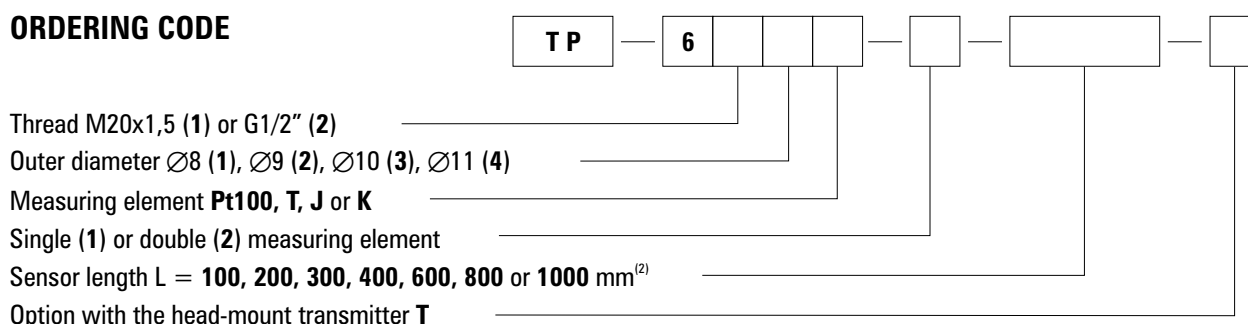
⁽³⁾ Connection head with protection class IP65 or acid resistant on demand

⁽⁴⁾ Other inch and metric threads on demand



Sensor length L (mm)	100	200	300	400	600	800	1000
Length of insert TP-701 (mm)	230	330	430	530	730	930	1130

ORDERING CODE



Example for order: TP-611K-1-400 sensor (with measuring insert TP-701K-1-530) with single thermocouple NiCr-NiAl (K) of outer diameter $\varnothing = 8$ mm and length L = 400 mm with thread M20x1,5.
TP-611K-1-400-T; TCH-2140-K sensor with the head-mount transmitter type TCH-2140-K.