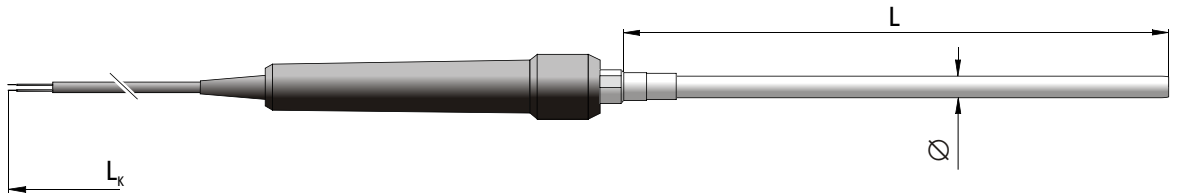
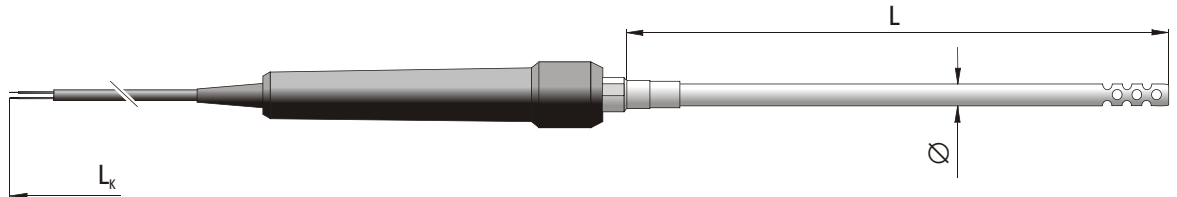


## TEMPERATURE SENSOR

type 111  
 112  
 113



type 141  
 142



Type		Ø (mm)
TP-111	TP-141	4
TP-112		5
TP-113	TP-142	6

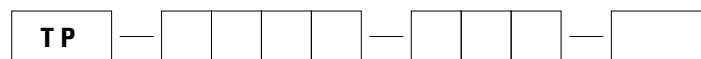
### SPECIFICATION

Application	temperature measurement of liquid and semi-fluid masses (TP-111, TP-112, TP-113) temperature measurement of gases (TP-141, TP-142)
Temperature range	-40°C...+900°C (K) -40°C...+550°C (Pt100)
Measuring element	thermocouple NiCr-NiAl (K) <sup>(1)</sup> platinum resistor (Pt100) <sup>(1)</sup>
Measuring junction	insulated <sup>(2)</sup>
Class of processing element	2 (B) <sup>(2)</sup>
Sheath material	steel 1.4541
Length of cable L <sub>k</sub>	spiral 1,5 m <sup>(2)</sup>
Handle and cable operating temperature	-20°C...+80°C
Additional accessories	plug type MT-K and MP (for use with hand held thermometers) <sup>(2)</sup>

<sup>(1)</sup> Pt500, Pt1000, Ni100, Ni1000 and other thermocouples on demand

<sup>(2)</sup> Other parameters according to customer requirements

### ORDERING CODE



Sensor type 111, 112, 113, 141, 142

Measuring element Pt100 or K<sup>(1)</sup>

Sensor length L = 200, 300, 400, 600 or 800 mm<sup>(2)</sup>

Additional accessories: plug type MT-K or MP<sup>(2)</sup>

**Example for order:** TP-112Pt100-200-MP Pt100 resistance sensor of outer diameter Ø = 5 mm, length L = 200 mm and length of cable L<sub>k</sub> = 1,5 m with plug type MP.