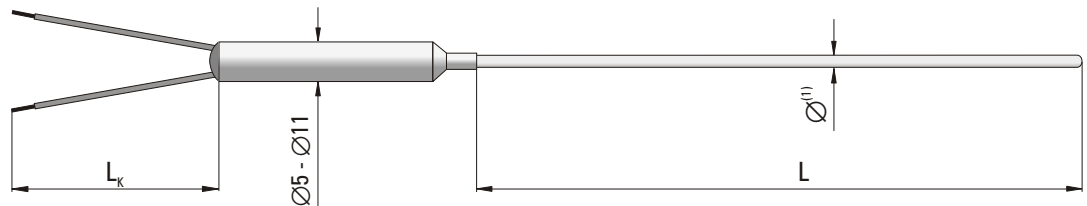
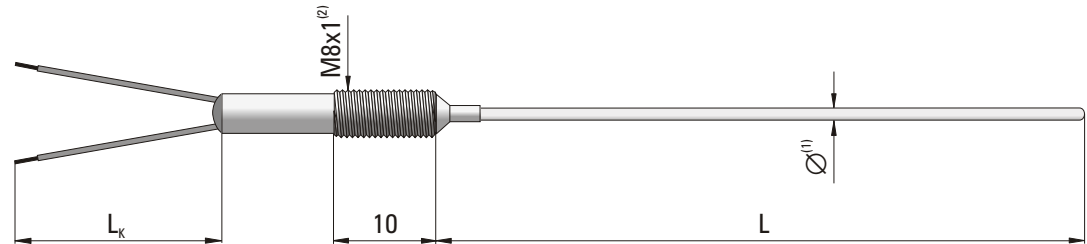


## TEMPERATURE SENSOR

**type 211**  
**212**  
**213**  
**214**



**type 215**  
**216**  
**217**  
**218**



### SPECIFICATION

Sheathed thermocouple

Cu-CuNi (T)  
 Fe-CuNi (J)  
 NiCr-NiAl (K)  
 NiCrSi-NiSi (N)

Measuring junction

grounded (type a), insulated (type b), exposed (type c)

Class of thermocouple

1

Sheath material

Inconel (T, J, K), Microbell (N)

Operating temperature of intermediate bush and cable

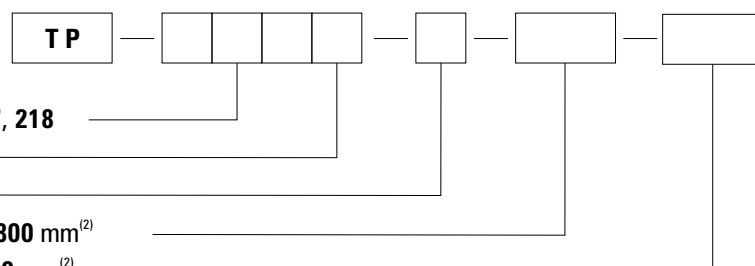
-20°C... +80°C<sup>(2)</sup>

<sup>(1)</sup> Thermocouple of outer diameter  $\varnothing = 2$  mm on demand

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

Sensor type		Outer diameter of thermocouple $\varnothing$ (mm)	Maximum temperature for thermocouple type T (°C)	Maximum temperature for thermocouple type J (°C)	Maximum temperature for thermocouple type K (°C)	Maximum temperature for thermocouple type N (°C)
Bush	Thread M8x1 <sup>(2)</sup>					
TP-211	TP-215	0,5	300	400	600	700
TP-212	TP-216	1	400	600	900	1000
TP-213	TP-217	1,5	400	700	1000	1100
TP-214	TP-218	3	400	700	1100	1250

### ORDERING CODE



Sensor type 211, 212, 213, 214, 215, 216, 217, 218

Measuring element T, J, K or N

Measuring junction a, b or c

Sensor length L = 100, 200, 300, 400, 600 or 800 mm<sup>(2)</sup>

Length of compensation cable L<sub>k</sub> = 50, 100, 200 mm<sup>(2)</sup>

**Example for order:**

TP-214K-b-200-100 sheathed thermocouple sensor NiCr-NiAl (K) of diameter  $\varnothing = 3$  mm with measuring junction galvanically insulated from sheath (type b), length L = 200 mm and length of compensation cable L<sub>k</sub> = 100 mm.