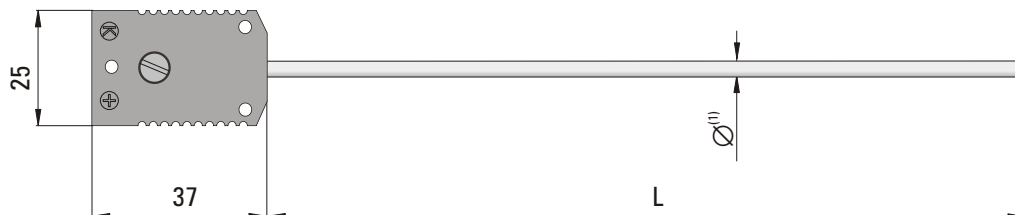


## TEMPERATURE SENSOR

**type 241  
 242  
 243**



**type 251  
 252  
 253**



### 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)

Plug and socket opating temperature

-20°C... +150°C (-20°C... +600°C on demand)

Additional accessories

plug type **ST-x** or socket type **ST-Gx**

compensation cable type **L2x** (x - type of thermocouple)

compression gland **KP**

<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 T (°C)	Maximum temperature for thermocouple J (°C)	Maximum temperature for thermocouple K (°C)	Maximum temperature for thermocouple N (°C)
TP-241	TP-251	3	400	700	1100	1250
TP-242	TP-252	4,5	--	800	1100	1250
TP-243	TP-253	6	--	800	1100	1250

### ORDERING CODE



Sensor type **241, 242, 243, 251, 252, 253**

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>

**Example for order:**

TP-251K-b-200 sheathed thermocouple sensor NiCr-NiAl (K) of outer diameter  $\varnothing = 3$  mm with measuring junction galvanically insulated from the sheath (type b) and length L = 200 mm.