

# TEMPERATURE SENSOR

## type 105



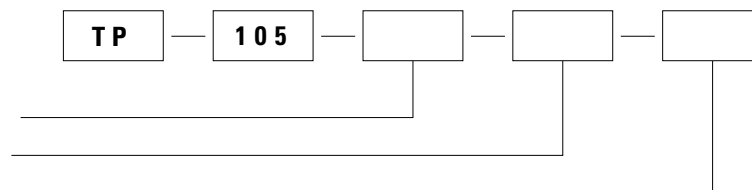
### SPECIFICATION

Application	all purpose temperature sensor with interchangeable measuring inserts
Temperature range	-40°C ... +1000°C
Sheathed thermocouple	NiCr-NiAl (K) <sup>(1)</sup>
Measuring junction	insulated <sup>(2)</sup> (grounded on demand)
Class of processing element	1
Sheath material	Inconel
Length of compensation 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 (for use with hand held thermometers) <sup>(2)</sup>

<sup>(1)</sup> Other thermocouples on demand

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

### ORDERING CODE



Outer diameter  $\varnothing = 1,5, 2$  or  $3$  mm<sup>(2)</sup>

Sensor length L = **100 ... 1000** mm<sup>(2)</sup>

Additional accessories plug type **MT-K**

**Example for order:** TP-105-2-300-MT-K temperature sensor with interchangeable sheathed thermocouple NiCr-NiAl (K) of outer diameter  $\varnothing = 2$  mm, length L = 300 mm; compensating cable with plug type MT-K.

Additional interchangeable thermocouples please order according to example:

**Interchangeable insert:** TP-233K-b-800 means interchangeable sheathed thermocouple NiCr-NiAl (K) of outer diameter  $\varnothing = 1,5$  mm and length L = 800 mm.

Attention: Temperature sensors NiCr-NiAl (K) type 231, 232, 233, 234 also can be used.