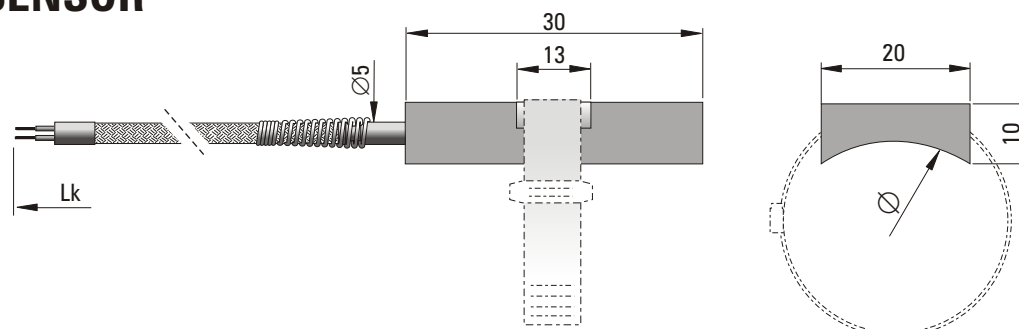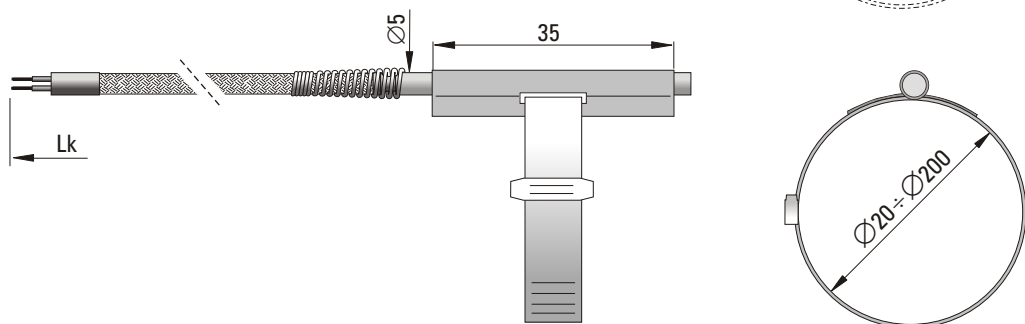# TEMPERATURE SENSOR

type 386

Version X
heat sink with matching touch surface to the diameter of the pipeline

Version Z
heat sink with universal touch surface

SPECIFICATION

Application	for measuring the surface temperature of pipelines and others cylindrical elements. The sensor is attached with a clamp, hose-clip.
Temperature range	−40°C...+400°C
Measuring element	platinum resistor **(Pt100)**
	thermocouple Cu-CuNi **(T)**
	thermocouple Fe-CuNi **(J)**
	thermocouple NiCr-Ni **(K)**
Class of processing element	thermocouple cl.2, Pt100 cl.B
Measuring junction (thermocouple)	insulated (b) [or grounded (a)]
Heatsink material	brass (other on demand)
Cable insulated	fiber glass and steel braid (other on demand)
Additional accesories (to version X)	clamp, hose-clip **OZ**

[1] Pt500, Pt1000, Ni100, Ni1000 on demand
[2] Pt100 3-wire or Pt100 4-wire on demand
[3] Other cable insulation: PVC (Tmax+80°C), silicon (Tmax+180°C), PTFE (Tmax+250°C), stainless steel armored sheath on demand

ORDERING CODE

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Measuring element **Pt100**, **T**, **J**, **K** [1]
Version **X** or **Z**
Pipeline diameter ∅ (mm) (to version X)
Cable length Lk = **0,5**, **1,0**, **1,5**, **2,0**, **2,5** m. (other on demand)
Additional accessories: clamp, hose-clip **OZ** (to version X)
Additional requirements: different cable insulation, different sheath diameter, different class, Pt100 3- 4-wire, double version

Example for order: TP-386Pt100-X50-4,5-OZ Pt100 resistance sensor, for a pipe with a diameter of 50mm, with a cable with a length of Lk = 4.5m, additionally equipped with an OZ clamp for a pipe with a diameter of 50mm.

TP-386Pt100-Z-1,5 (3-wire) Pt100 resistance sensor, with a universal clamp for a pipe with a diameter of from 20mm to 200mm, with Lk=1,5m cable, 3-wire cable.

On request, free Quality Certificate specifying the sensor class or payable Calibration Certificate for any temperature with marked deviations