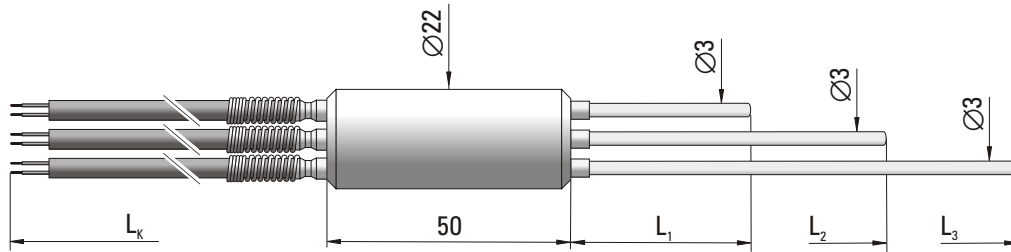


TEMPERATURE SENSOR

type 294



SPECIFICATION

Application	multi-sensor for measuring temperature of liquids and gases at different immersion depths
Sheathed thermocouples ⁽¹⁾	Fe-CuNi (J) NiCr-NiAl (K) NiCrSi-NiSi (N)
Temperature range	-40°C...+700 °C (J) -40°C...+1100°C (K) -40°C...+1250°C (N)
Measuring junctions	insulated
Class of thermocouples	1
Sheath material	Inconel (J, K), Microbell (N)
Outer diameter of thermocouples	Ø 3 mm ⁽²⁾
Intermediate bush	steel 1.4828 Ø 22 ⁽²⁾
Operating temperature of intermediate bush and cable	-20°C...+80°C ⁽²⁾

⁽¹⁾ Double measuring elements on demand

⁽²⁾ Other parameters according to customer requirements

ORDERING CODE



Measuring elements **J**, **K** or **N**

Number of sheathed thermocouples **(2)** or **(3)**

Immersion length **L₁**, **L₂**, **L₃** in mm

Length of compensation cables **L_k** = **0,5...2,5** m ⁽²⁾

Example for order:

TP-294K-3-500/1000/1500-2,0 sensor with three sheathed thermocouples NiCr-NiAl (K) Ø 3mm, lengths: L₁ = 500 mm, L₂ = 1000 mm, L₃ = 1500 mm with compensation cables L_k = 2 m.