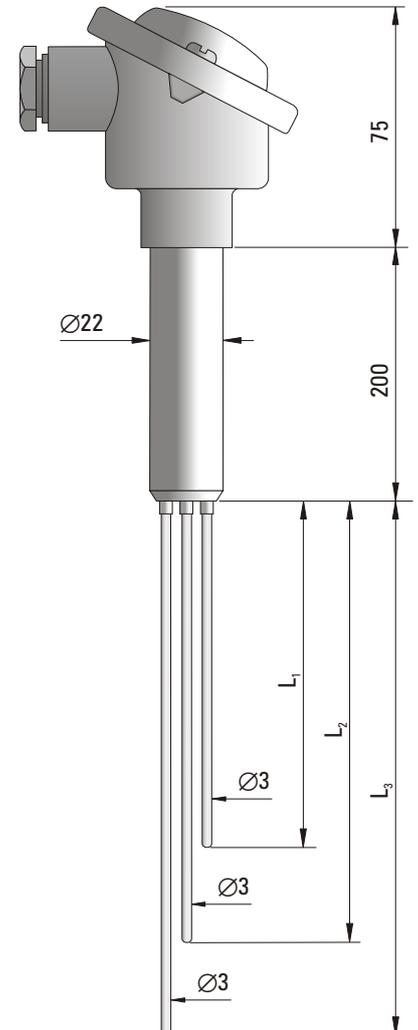


TEMPERATURE SENSOR

type 439

SPECIFICATION

Application	multi-sensor for measuring temperature of liquids and gases at different immersion depth
Sheathed thermocouples	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)
Thermocouples outer diameter	∅ 3mm ⁽¹⁾
Measuring junctions	insulated ⁽²⁾
Class of thermocouples	1
Sheath material	Inconel (J, K), Microbell (N)
Spacer material	steel 1.4828 ∅ 22 ⁽¹⁾
Connection head type	B or DA ⁽³⁾
Head operating temperature	-40°C...+100°C
Additional accessories	clamping plate UZ-22 compensation cable



⁽¹⁾ Other parameters according to customer requirements
⁽²⁾ Double measuring elements on demand
⁽³⁾ Connection head with protection class IP65 or acid resistant on demand

ORDERING CODE



Measuring elements **J, K or N**
 Number of sheathed thermocouples **2 or 3**
 Immersion length **L₁, L₂, L₃** in mm
 Additional accessories: clamping plate type **UZ-22**

Example for order: TP-439K-3-500/1000/1500 sensor with three sheathed thermocouples NiCr-NiAl (K) ∅ 3 mm, lengths L₁ = 500 mm, L₂ = 1000 mm and L₃ = 1500 mm.