Temperature Sensors with Non-Replaceable Measuring Inserts **TOPP-1, TTJP-1, TTKP-1**

Specification

Temperature range / sensing element

-200÷600ºC	**Pt100**	class B
-40÷600ºC	**K, J**	class 2

Measuring insert

– non-replaceable

Sheath

– material: stainless steel 1.4541 for [mm]: ø9, 11, 12, 14, 15
– material: steel 1.4841 for ø15 mm
– material: steel 1.4762 for ø15 mm
– length L [mm]: 50÷2000

Connection head

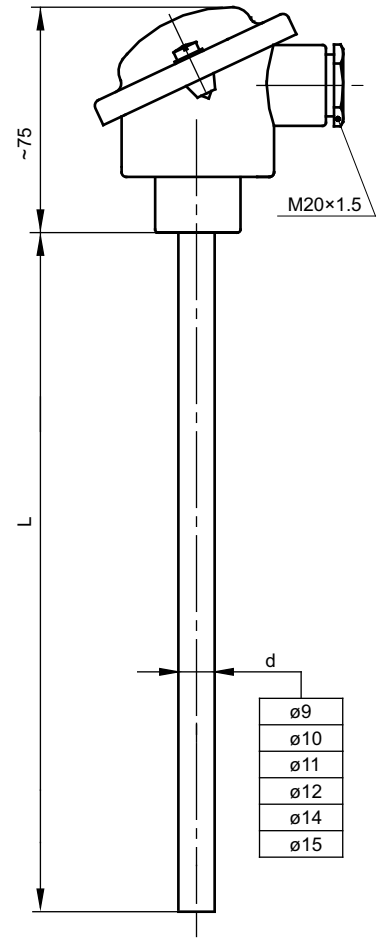
– BA, IP54, -40÷100 ºC

Options

– local display in connection head DANWwin – p. 160
– Pt500, Pt1000, Ni100, Ni1000, T, N
– connection heads – stainless steel BEG; aluminium NA, IP65; aluminium NA with snap lock – pp. 157÷158
– Pt100: class A -100÷450ºC, class AA -50÷250ºC; TC: class 1

Additional accessories

– temperature transmitters – pp. 162÷174
– additional protection tubes and thermowells – pp. 148÷153
– compensation cables – p. 145
– sensor mounting fittings – pp. 155÷156



Ordering code

Temperature sensor [ ] [T] [ ] [P-1] – [ ] – [ ] [ ] – [ ] – [ ] – [ ] – [ ]

Single: **no designation**
Double: **2**
With transmitter: **AP**
RTD Pt: **OP**
Thermocouple Fe-CuNi: **TJ**
Thermocouple NiCr-NiAl: **TK**
Hot junction type for TC: **SO, SOA**
Sheath diameter d [mm]: **9, 10, 11, 12, 14, 15**
Sheath material: **1,4541; 1,4841; 1,4762**
Sheath length L [mm]: **100, 300** or other*
RTD / thermocouple class: **A, B* / 1, 2**
RTD Pt100 connection: **2-, 3-, 4- wire**
Transmitter type – temperature range: **Tx (0÷400)°C***
*Other parameters acc. to requirements

Ordering example:

TOPP-1–12–500–A–3 single sensor with Pt100, class A, 3-wire connection, sheath diameter 12 mm and length L=500 mm

APTTKP-1–SO–15–1.4841–700–1–Tx–(0÷150)ºC single sensor with thermocouple NiCr-NiAl /K/, class 1, insulated hot junction SO, sheath material steel 1.4841, diameter 15 mm and length L=700 mm, with transmitter 4÷20 mA

Quality Certificate or Calibration Certificate of Limatherm Sensor Accredited Laboratory for Temperature Measurements on request.