

Temperature Sensors with Non-Replaceable Measuring Inserts **TOPGN-1, TTJGN-1, TTKGN-1**

Specification

Temperature range / sensing element

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

Measuring insert

- non-replaceable

Thermowell

- material: stainless steel 1.4541
- length L [mm]: 50÷2000

Connection head

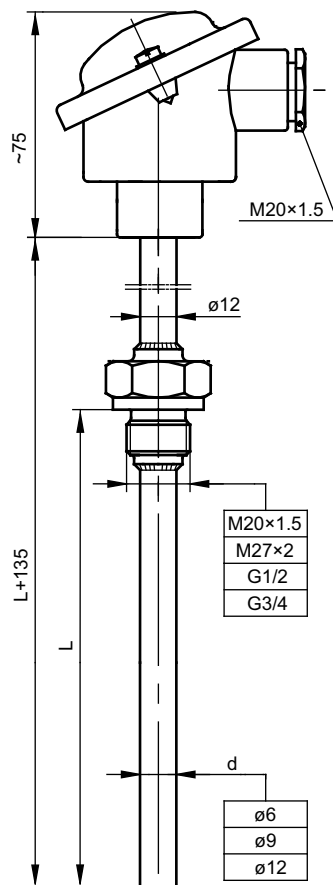
- BA, IP54, -40÷100 °C

Options

- local display in connection head DANWwin – p. 160
- Pt500, Pt1000, Ni100, Ni1000, T, N
- other threads (inch and metric) acc. to requirements
- connection heads – stainless steel BEG; aluminium NA, IP65; aluminium NA with snap lock – pp. 157÷158
- Pt100: class A -100÷450°C, class AA -50÷250°C; TC: class 1

Additional accessories

- temperature transmitters – pp. 162÷174
- additional protection tubes and thermowells – pp. 148÷153
- hot junction type – p. 13
- compensation cables – p. 145



Ordering code

Temperature sensor

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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, SP** _____

Thermowell length L [mm]: **100, 200**, or other* _____

Thermowell diameter d [mm]: **6, 9, 12** _____

Thread dimension: **G½; G¾; M20x1,5; M27x2** or other* _____

RTD / thermocouple class: **A, B* / 1, 2** _____

RTD Pt 100 connection: **2-, 3-, 4- wire** _____

Transmitter type – temperature range: **Tx – (0÷400)°C*** _____

*Other parameters acc. to requirements

Ordering example:

TOPGN-1-800-12-G½-A-3 single sensor with Pt100, class A, 3-wire connection, thermowell diameter 12 mm and length L=800 mm, threaded fitting G½

APTTJGN-1-SO-600-12-G¾-1-Tx-(0÷600)°C single sensor with thermocouple Fe-CuNi /J/, class 1, insulated hot junction SO, thermowell diameter 12 mm and length L=600 mm, threaded fitting G¾, with transmitter 4÷20 mA