

Description:

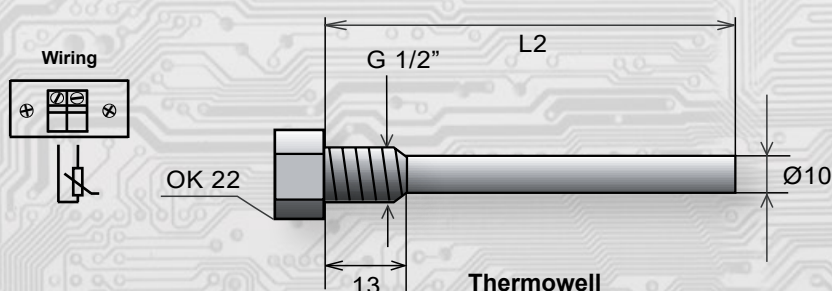
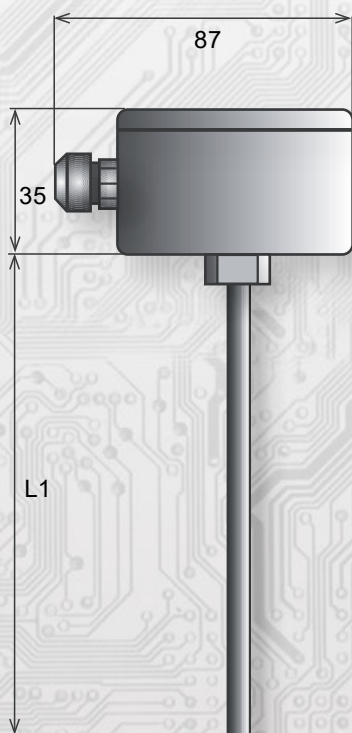
The resistance temperature sensors are designed for general - purpose application in control and regulation systems for the temperature measurement in the pipeline. The temperature element is located in the stem. The head of sensor is made of polycarbonat, cover is provided with quick - locking screws, the stem is made of stainless steel (DIN 1.4601). Standard version is made to maximal temperature 150°C. The version with the lengthened stem (60mm) is designed for maximal temperature 200°C (Ni elements) or 250°C (Pt elements).

Standard length

L1 (mm)
120
180
240
300
360
420

Technical parameters:

Measuring range	-30 ÷ 250 °C (Pt100, Pt500, Pt1000) -30 ÷ 200 °C (Ni1000, Ni10000, Ni891, Ni2226) -30 ÷ 150 °C (NTC 20kΩ)
Sensin element	see the table below
Connection	2 (on request 3 or 4) wiring
Accuracy	class B, IEC 751 (Pt100, Pt 500, Pt1000) class B, DIN 43760 (Ni1000, Ni10000, Ni891, Ni2226) ± 1 °C (NTC20kΩ)
Head	material polycarbonat, blue colour (grey on request) surrounding's temperature -30 ÷ 80 °C
Stem	stainless steel, DIN 1.4301, Ø = 6 mm, length of stem L1: see the table below
Insulation resistance	> 100 MΩ at 25 °C (500 V DC)
Protection type	IP 65 (EN 60529)
Relative humidity	< 95 %
Terminal board	COB 5/2, wire cross section 0,35 ÷ 2,5 mm ²
Cable gland	PG9, wire diameter 4 ÷ 8 mm
Versions	P13x - L1 (one sensing element) 2P13x - L1 (two sensing elements) x = P, PA, PB, S, L, J, SA, H or N L2 (mm) - length of the thermowell



Summary

Sensor	P13P	P13PA	P13PB	P13S	P13L	P13J	P13SA	P13H	P13N
Sensing element	Pt100	Pt1000	Pt500	Ni1000/6180	Ni1000/5000	Ni891	Ni10000/6180	NTC 20kΩ	Ni2226
Recommended measurement current	1 mA	0,1 mA	0,7 mA	0,1 mA	0,1 mA	0,1 mA	0,01 mA	*	0,1 mA
Max. measurement current	5mA	1 mA	3 mA	1 mA	1 mA	1 mA	0,5 mA	*	0,7 mA

On the request sensors can be supplied with two measuring elements or sensors with other types of measuring elements such as NTC, PTC, KTY etc