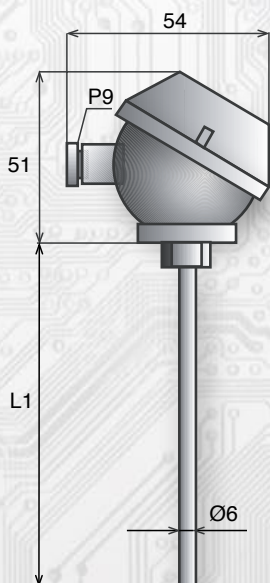


### Description:

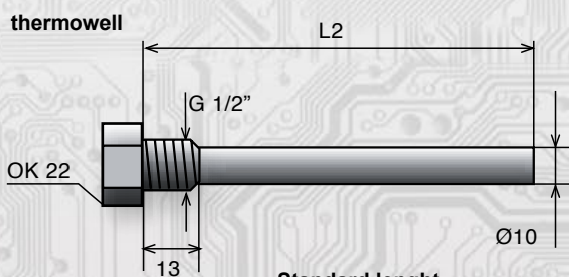
The resistance temperature sensors are designed for general - purpose application in control and regulation systems for the temperature measurement in the pipeline. The temperature element is located in the stem. The head of sensor is made of aluminium. the stem is made of stainless steel (DIN 1.4601). 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).



### 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 aluminium, color grey
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	ceramic, tape KLM
Cable gland	PG9, wire diameter 4 ÷ 8 mm
Versions	A13x - L1 (one sensing element) 2A13x - L1 (two sensing elements) x = P, PA, PB, S, L, J, SA, H or N

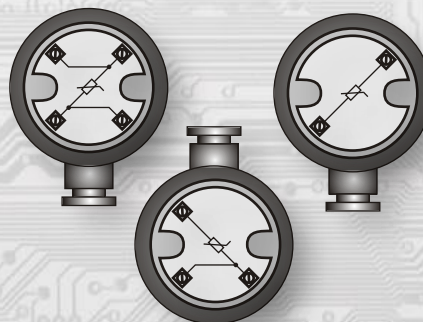
2 (mm) - length of the thermowell



Standard length

L2 (mm)
100
160
220
280
340

### wiring



### Summary

Sensor	A13P	A13PA	A13PB	A13S	A13L	A13J	A13SA	A13H	A13N
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