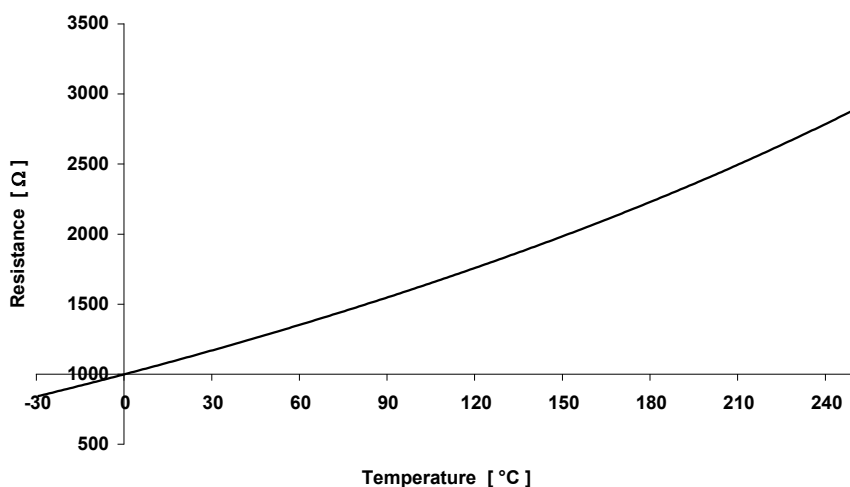
		Characteristic of temperature sensing elements Ni 1000, Tk = 6180 ppm/ °C				Ni1000/6180	
						VÝTISK ČÍSLO	
AUTOR	Lukáš Osadník					SKART. ZNAK	S10
STRANA	2 z 2	VERZE	C z 25.11.13	NAHRAZUJE	B z 10.3.08	KLASIF. KÓD	I

Characteristic of the sensing element



Accuracy classes of the sensing element

Sensing elements are produced in two basic accuracy classes with tolerance fields which are specified following formula:

	for t = - 60°C to 0°C	for t = 0°C to 250°C
Class A	$\Delta T = \pm (0,2 + 0,014 * t)$ in °C	$\Delta T = \pm (0,2 + 0,0035 * t)$ in °C
Class B	$\Delta T = \pm (0,4 + 0,028 * t)$ in °C	$\Delta T = \pm (0,4 + 0,0070 * t)$ in °C

* | t | is absolute temperature value

Temperature [°C]	Resistance [Ω]	Class A		Class A (Pt)		Class B	
		ΔT [°C]	ΔR [Ω]	ΔT [°C]	ΔR [Ω]	ΔT [°C]	ΔR [Ω]
-30	841,5	± 0,62	± 3,16	± 0,21	± 1,07	± 1,24	± 6,32
0	1000,0	± 0,20	± 1,10	± 0,15	± 0,82	± 0,40	± 2,20
50	1291,1	± 0,38	± 2,29	± 0,25	± 1,52	± 0,75	± 4,58
100	1617,8	± 0,55	± 3,79	± 0,35	± 2,41	± 1,10	± 7,59
150	1986,3	± 0,73	± 5,73	± 0,45	± 3,55	± 1,45	± 11,46
200	2406,6	± 0,90	± 8,10	± 0,55	± 4,95	± 1,80	± 16,20
250	2891,6	± 1,08	± 11,29	± 0,65	± 6,82	± 2,15	± 22,58

Tolerance field

