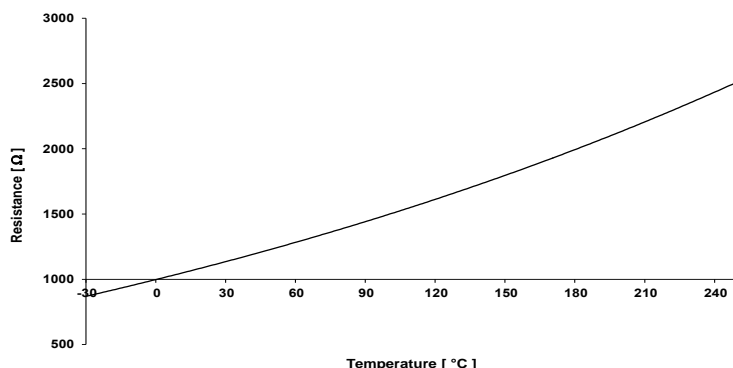
		Characteristic of temperature sensing elements Ni 1000, T_k = 5000 ppm/ °C				Ni1000/5000	
						VÝTISK ČÍSLO	
AUTOR	Lukáš Osadník					SKART. ZNAK	S10
STRANA	2 z 2	VERZE	C z 25.11.13	NAHRAZUJE	B z 10.3.08	KLASIF. KÓD	I

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 | je absolutní hodnota teploty

Temperature [°C]	Resistance [Ω]	Class A		Class B	
		ΔT [°C]	ΔR [Ω]	ΔT [°C]	ΔR [Ω]
-30	871,7	± 0,62	± 2,54	± 1,24	± 5,08
0	1000,0	± 0,20	± 0,88	± 0,40	± 1,76
50	1235,0	± 0,38	± 1,87	± 0,75	± 3,75
100	1500,0	± 0,55	± 3,08	± 1,10	± 6,16
150	1799,3	± 0,73	± 4,57	± 1,45	± 9,14
200	2137,0	± 0,90	± 6,39	± 1,80	± 12,78
250	2517,3	± 1,08	± 8,71	± 2,15	± 17,42

Tolerance field

