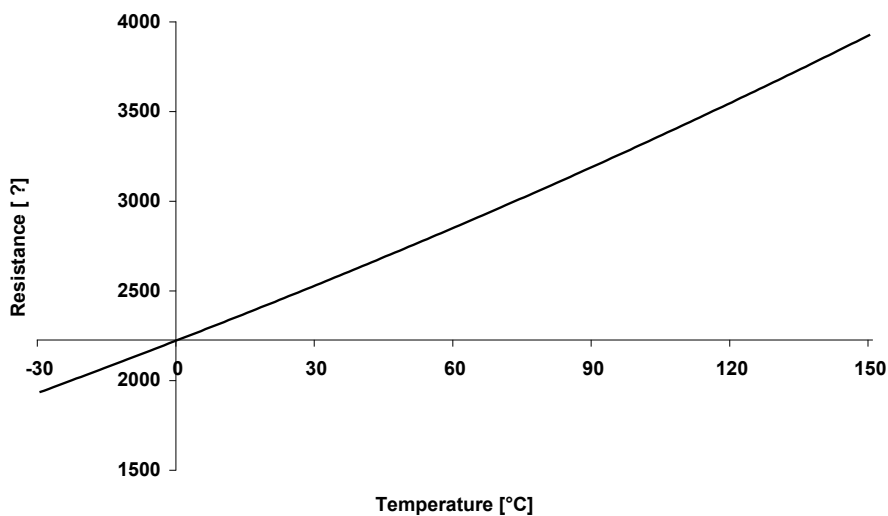
		CHARAKTERISTIKA Čidla teploty Ni 2226				Ni2226	
						VÝTISK ČÍSLO	
AUTOR	Lukáš Osadník					SKART. ZNAK	S10
STRANA	2 z 2	VERZE	C z 25.11.13	NAHRAZUJE	B z 10.3.08	KLASIF. KÓD	I

Characteristic of the sensing element



Accuracy classes of the sensing element

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

Class A:	$\Delta T = (0,4 + 0,055 * t)$ in °C	for the range -20°C to 0°C
	$\Delta T = - (0,4 - 0,020 * t)$ in °C	for the range -20°C to 0°C
	$\Delta T = \pm 0,4$ in °C	for the range 0°C to 70°C
	$\Delta T = (0,4 - 0,013 * (t - 70))$ in °C	for the range 70°C to 100°C
	$\Delta T = - (0,4 + 0,037 * (t - 70))$ in °C	for the range 70°C to 100°C

Class B:	$\Delta T = \pm (0,7 + 0,063 * t)$ in °C	for the range -30°C to 0°C
	$\Delta T = \pm 0,7$ in °C	for the range 0°C to 50°C
	$\Delta T = \pm (0,7 + 0,038 * (t - 50))$ in °C	for the range 50°C to 100°C

* | t | is absolute temperature value in °C

Temperature [°C]	Resistance [Ω]	Class A				Class B	
		+ ΔT [°C]	+ ΔR [Ω]	- ΔT [°C]	- ΔR [Ω]	± ΔT [°C]	± ΔR [Ω]
-20	2029,9	1,50	14,55	0	0	1,96	19,01
0	2226,0	0,40	4,00	0,40	4,00	0,70	7,00
50	2745,3	0,40	4,36	0,40	4,36	0,70	7,63
70	2965,6	0,40	4,52	0,40	4,52	1,46	16,50
100	3310,8	0,01	0,12	1,51	17,82	2,60	30,68