

# Characteristic KTY 81-210

## Measuring range: -50 °C to +150 °C

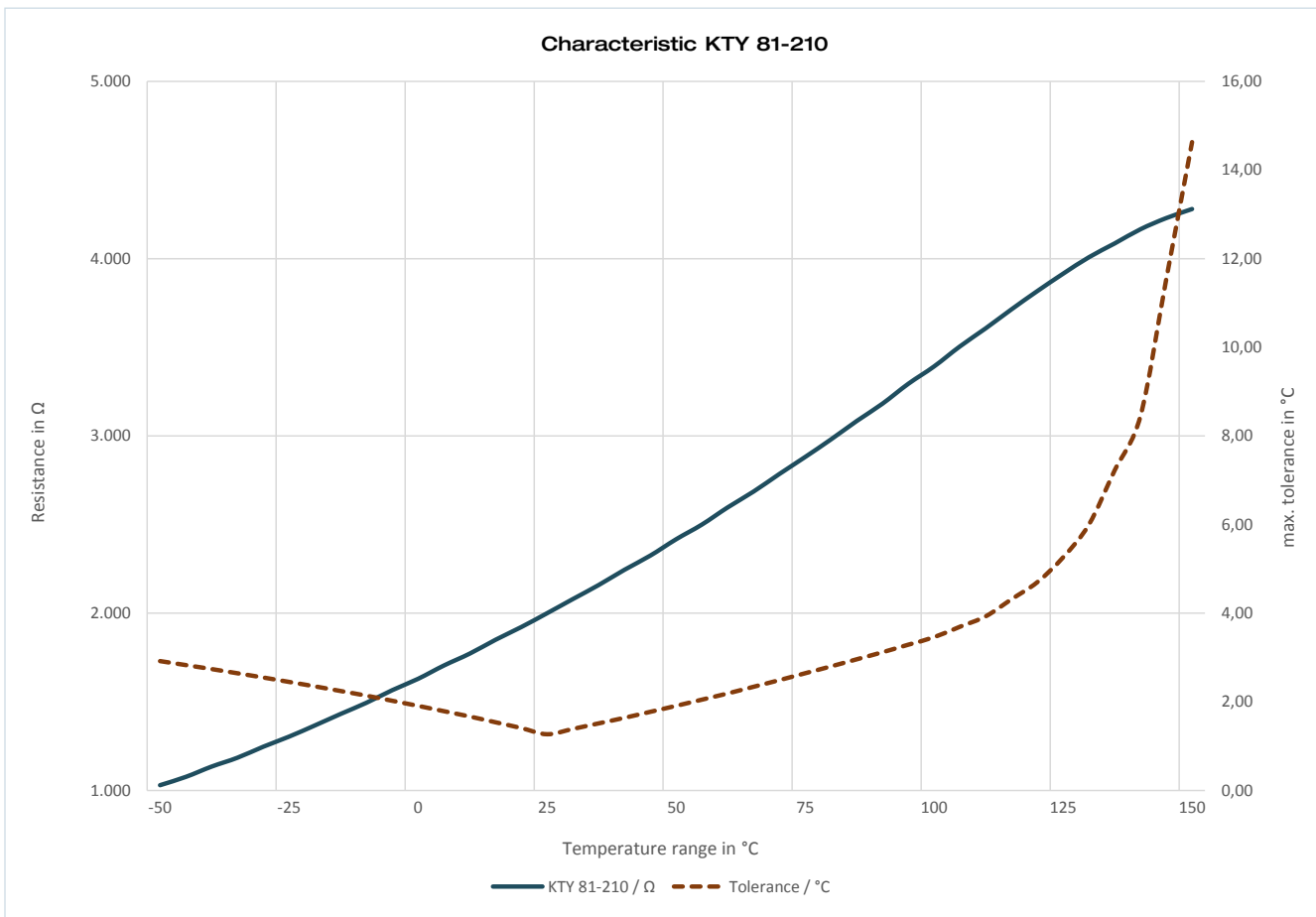
Example values @ +25 °C	
+°C	-°C
1,27	-1,27

T °C	R Ω	Max. tol. ± in °C*
-50	1.030	2,9
-40	1.135	2,7
-30	1.247	2,6
-20	1.367	2,4
-10	1.495	2,1
0	1.630	1,9
10	1.772	1,7
20	1.922	1,4
25	2.000	1,3

T °C	R Ω	Max. tol. ± in °C*
30	2.080	1,4
40	2.245	1,6
50	2.417	1,9
60	2.597	2,2
70	2.785	2,5
80	2.980	2,8
90	3.182	3,1
100	3.392	3,5

T °C	R Ω	Max. tol. ± in °C*
110	3.607	3,9
120	3.817	4,7
125	3.915	5,3
130	4.008	6,0
140	4.166	8,5
150	4.280	14,6

\* Maximum tolerance



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To keep the temperature error low, an operating current of  $I_{sen(cont)} = 1 \text{ mA}$  is recommended for temperatures above 100 °C. For further information see data sheet: [https://www.nxp.com/docs/en/data-sheet/KTY81\\_SER.pdf](https://www.nxp.com/docs/en/data-sheet/KTY81_SER.pdf)

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 D-79853 Lenzkirch Please find our whole temperature probe and transmitter portfolio in our webshop at: [www.testo-sensor.shop](http://www.testo-sensor.shop)