

LG-Ni1000 Measuring element

Table of temperature / resistance of the LG-Ni1000 measuring element (1000 Ω at 0°C)

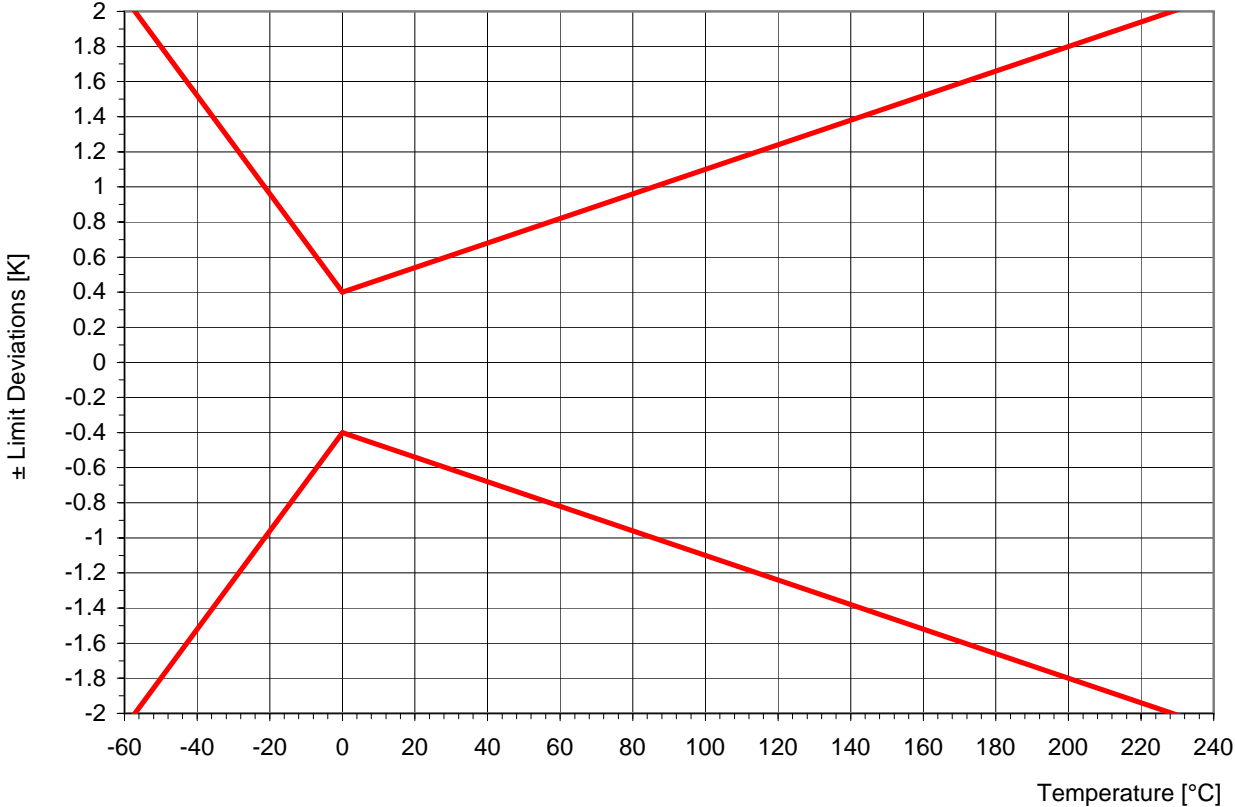
t = Temperature [°C]

R_F = Resistance of LG-Ni1000 measuring element (only for use when setting up a temperature simulator)

t [°C]	R _F [Ω]	t [°C]	R _F [Ω]	t [°C]	R _F [Ω]	t [°C]	R _F [Ω]
-60	751.8	5	1'022.3	55	1'260.1	110	1'557.0
-58	759.5	6	1'026.7	56	1'265.1	112	1'568.5
-56	767.3	7	1'031.2	57	1'270.2	114	1'580.2
-54	775.1	8	1'035.7	58	1'275.3	116	1'591.8
-52	783.0	9	1'040.3	59	1'280.3	118	1'603.6
-50	790.9	10	1'044.8	60	1'285.4	120	1'615.4
-48	798.8	11	1'049.3	61	1'290.6	122	1'627.2
-46	806.8	12	1'053.9	62	1'295.7	124	1'639.1
-44	814.7	13	1'058.4	63	1'300.8	126	1'651.1
-42	822.8	14	1'063.0	64	1'306.0	128	1'663.1
-40	830.8	15	1'067.6	65	1'311.1	130	1'675.2
-38	838.9	16	1'072.2	66	1'316.3	132	1'687.3
-36	847.1	17	1'076.8	67	1'321.5	134	1'699.5
-34	855.2	18	1'081.4	68	1'326.7	136	1'711.8
-32	863.4	19	1'086.0	69	1'331.9	138	1'724.1
-30	871.7	20	1'090.7	70	1'337.1	140	1'736.5
-29	875.8	21	1'095.3	71	1'342.4	142	1'748.9
-28	880.0	22	1'100.0	72	1'347.6	144	1'761.4
-27	884.1	23	1'104.6	73	1'352.9	146	1'774.0
-26	888.3	24	1'109.3	74	1'358.2	148	1'786.6
-25	892.5	25	1'114.0	75	1'363.5	150	1'799.3
-24	896.7	26	1'118.7	76	1'368.8	152	1'812.0
-23	900.8	27	1'123.4	77	1'374.1	154	1'824.8
-22	905.0	28	1'128.1	78	1'379.4	156	1'837.7
-21	909.3	29	1'132.9	79	1'384.8	158	1'850.6
-20	913.5	30	1'137.6	80	1'390.1	160	1'863.6
-19	917.7	31	1'142.4	81	1'395.5	162	1'876.7
-18	922.0	32	1'147.1	82	1'400.9	164	1'889.8
-17	926.2	33	1'151.9	83	1'406.3	166	1'902.9
-16	930.5	34	1'156.7	84	1'411.7	168	1'916.2
-15	934.7	35	1'161.5	85	1'417.1	170	1'929.5
-14	939.0	36	1'166.3	86	1'422.5	172	1'942.9
-13	943.3	37	1'171.2	87	1'428.0	174	1'956.3
-12	947.6	38	1'176.0	88	1'433.4	176	1'969.8
-11	951.9	39	1'180.9	89	1'438.9	178	1'983.4
-10	956.2	40	1'185.7	90	1'444.4	180	1'997.0
-9	960.6	41	1'190.6	91	1'449.9	182	2'010.7
-8	964.9	42	1'195.5	92	1'455.4	184	2'024.5
-7	969.3	43	1'200.4	93	1'460.9	186	2'038.3
-6	973.6	44	1'205.3	94	1'466.5	188	2'052.2
-5	978.0	45	1'210.2	95	1'472.0	190	2'066.1
-4	982.4	46	1'215.1	96	1'477.6	192	2'080.2
-3	986.8	47	1'220.1	97	1'483.2	194	2'094.3
-2	991.2	48	1'225.0	98	1'488.8	196	2'108.4
-1	995.6	49	1'230.0	99	1'494.4	198	2'122.7
0	1'000.0	50	1'235.0	100	1'500.0	200	2'137.0
1	1'004.4	51	1'240.0	102	1'511.3	210	2'209.5
2	1'008.9	52	1'245.0	104	1'522.6	220	2'283.7
3	1'013.3	53	1'250.0	106	1'534.0	230	2'359.8
4	1'017.8	54	1'255.0	108	1'545.5	240	2'437.6
5	1'022.3	55	1'260.1	110	1'557.0	250	2'517.3

LG-Ni1000
Measuring element

LG-Ni1000 Accuracy Tolerance according to DIN 43760, Class B



This Graph applies to all LG-Ni1000 Sensors with thin film element