

R-T Characteristics

Sensor Type	Nominal Resistance	Sensitivity	E+E Order Code
Ni1000 TK5000 DIN B	R ₀ : 1000 Ω	TC: 5000 ppm/K	TP19

Tabulated R-T Characteristics

- According to supplier's specifications
- Based on DIN 43760
- Resistance values in Ω

T [°C]	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-60	751.79									
-50	790.88	786.93	783.00	779.07	775.14	771.23	767.33	763.43	759.54	755.66
-40	830.84	826.80	822.78	818.76	814.75	810.75	806.76	802.78	798.80	794.84
-30	871.69	867.57	863.45	859.34	855.24	851.15	847.07	843.00	838.94	834.88
-20	913.48	909.26	905.05	900.85	896.65	892.47	888.30	884.13	879.98	875.83
-10	956.24	951.92	947.61	943.31	939.02	934.74	930.47	926.21	921.96	917.72
0	1000.00	995.58	991.17	986.77	982.37	977.99	973.62	969.26	964.91	960.57

T [°C]	0	1	2	3	4	5	6	7	8	9
0	1000.00	1004.43	1008.87	1013.33	1017.79	1022.26	1026.75	1031.24	1035.75	1040.27
10	1044.79	1049.33	1053.88	1058.44	1063.01	1067.59	1072.18	1076.78	1081.39	1086.02
20	1090.65	1095.30	1099.96	1104.62	1109.30	1113.99	1118.70	1123.41	1128.13	1132.87
30	1137.62	1142.37	1147.14	1151.92	1156.72	1161.52	1166.34	1171.16	1176.00	1180.85
40	1185.71	1190.59	1195.47	1200.37	1205.28	1210.20	1215.13	1220.07	1225.03	1230.00
50	1234.98	1239.97	1244.97	1249.99	1255.02	1260.06	1265.11	1270.18	1275.25	1280.34
60	1285.45	1290.56	1295.69	1300.83	1305.98	1311.14	1316.32	1321.51	1326.71	1331.92
70	1337.15	1342.39	1347.64	1352.91	1358.18	1363.47	1368.78	1374.09	1379.42	1384.77
80	1390.12	1395.49	1400.87	1406.26	1411.67	1417.09	1422.53	1427.97	1433.43	1438.91
90	1444.39	1449.90	1455.41	1460.94	1466.48	1472.03	1477.60	1483.18	1488.77	1494.38
100	1500.00	1505.64	1511.29	1516.95	1522.63	1528.32	1534.03	1539.75	1545.48	1551.22
110	1556.98	1562.76	1568.55	1574.35	1580.17	1586.00	1591.84	1597.70	1603.58	1609.47
120	1615.37	1621.28	1627.22	1633.16	1639.12	1645.10	1651.08	1657.09	1663.11	1669.14
130	1675.19	1681.25	1687.33	1693.42	1699.52	1705.65	1711.78	1717.93	1724.10	1730.28
140	1736.48	1742.69	1748.91	1755.15	1761.41	1767.68	1773.97	1780.27	1786.59	1792.92
150	1799.27	1805.63	1812.01	1818.41	1824.82	1831.24	1837.68	1844.14	1850.61	1857.10
160	1863.60	1870.12	1876.65	1883.20	1889.77	1896.35	1902.95	1909.56	1916.19	1922.84
170	1929.50	1936.18	1942.87	1949.58	1956.31	1963.05	1969.81	1976.58	1983.37	1990.18
180	1997.00	2003.84	2010.70	2017.57	2024.46	2031.37	2038.29	2045.23	2052.19	2059.16
190	2066.15	2073.15	2080.17	2087.21	2094.27	2101.34	2108.43	2115.54	2122.66	2129.80
200	2136.96	2144.13	2151.33	2158.53	2165.76	2173.00	2180.26	2187.54	2194.84	2202.15
210	2209.48	2216.82	2224.19	2231.57	2238.97	2246.39	2253.82	2261.27	2268.74	2276.23
220	2283.73	2291.26	2298.80	2306.35	2313.93	2321.52	2329.14	2336.77	2344.41	2352.08
230	2359.76	2367.46	2375.18	2382.92	2390.68	2398.45	2406.24	2414.05	2421.88	2429.73
240	2437.59	2445.48	2453.38	2461.30	2469.24	2477.20	2485.17	2493.17	2501.18	2509.21
250	2517.27									