| Sensor Type | Nominal Resistance | Sensitivity | E+E Order Code |
|---|---|---|---|
| Ni1000 TK6180 DIN B | $R_0$: 1000 Ω | TC: 6180 ppm/K | J |

**Tabulated R-T Characteristics** (according to supplier's specifications and based on DIN 43760, resistance values in Ω)

| °C | -0 | -1 | -2 | -3 | -4 | -5 | -6 | -7 | -8 | -9 |
|---|---|---|---|---|---|---|---|---|---|---|
| -60 | 695.20 | | | | | | | | | |
| -50 | 742.55 | 737.75 | 732.97 | 728.20 | 723.44 | 718.70 | 713.97 | 709.26 | 704.56 | 699.87 |
| -40 | 791.31 | 786.37 | 781.45 | 776.54 | 771.64 | 766.76 | 761.89 | 757.03 | 752.19 | 747.36 |
| -30 | 841.46 | 836.38 | 831.32 | 826.27 | 821.23 | 816.21 | 811.21 | 806.21 | 801.23 | 796.26 |
| -20 | 892.96 | 887.75 | 882.56 | 877.37 | 872.20 | 867.04 | 861.90 | 856.77 | 851.65 | 846.55 |
| -10 | 945.82 | 940.47 | 935.14 | 929.82 | 924.51 | 919.22 | 913.94 | 908.68 | 903.43 | 898.19 |
| 0 | 1000.00 | 994.52 | 989.06 | 983.60 | 978.17 | 972.74 | 967.33 | 961.93 | 956.55 | 951.17 |

| °C | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1000.00 | 1005.49 | 1011.00 | 1016.51 | 1022.05 | 1027.59 | 1033.15 | 1038.72 | 1044.31 | 1049.90 |
| 10 | 1055.52 | 1061.14 | 1066.78 | 1072.43 | 1078.09 | 1083.77 | 1089.46 | 1095.17 | 1100.89 | 1106.62 |
| 20 | 1112.36 | 1118.12 | 1123.90 | 1129.68 | 1135.48 | 1141.29 | 1147.12 | 1152.96 | 1158.81 | 1164.68 |
| 30 | 1170.56 | 1176.45 | 1182.36 | 1188.28 | 1194.21 | 1200.16 | 1206.13 | 1212.10 | 1218.09 | 1224.09 |
| 40 | 1230.11 | 1236.14 | 1242.19 | 1248.25 | 1254.32 | 1260.41 | 1266.51 | 1272.62 | 1278.75 | 1284.89 |
| 50 | 1291.05 | 1297.22 | 1303.41 | 1309.61 | 1315.82 | 1322.05 | 1328.29 | 1334.55 | 1340.82 | 1347.10 |
| 60 | 1353.40 | 1359.72 | 1366.05 | 1372.39 | 1378.75 | 1385.12 | 1391.51 | 1397.91 | 1404.33 | 1410.76 |
| 70 | 1417.21 | 1423.67 | 1430.14 | 1436.64 | 1443.14 | 1449.67 | 1456.20 | 1462.75 | 1469.32 | 1475.91 |
| 80 | 1482.50 | 1489.12 | 1495.75 | 1502.39 | 1509.05 | 1515.73 | 1522.42 | 1529.13 | 1535.85 | 1542.59 |
| 90 | 1549.34 | 1556.12 | 1562.90 | 1569.71 | 1576.53 | 1583.36 | 1590.21 | 1597.08 | 1603.97 | 1610.87 |
| 100 | 1617.79 | 1624.72 | 1631.67 | 1638.64 | 1645.62 | 1652.62 | 1659.64 | 1666.68 | 1673.73 | 1680.80 |
| 110 | 1687.89 | 1694.99 | 1702.11 | 1709.25 | 1716.41 | 1723.58 | 1730.77 | 1737.98 | 1745.21 | 1752.45 |
| 120 | 1759.72 | 1767.00 | 1774.30 | 1781.61 | 1788.95 | 1796.30 | 1803.68 | 1811.07 | 1818.48 | 1825.90 |
| 130 | 1833.35 | 1840.82 | 1848.30 | 1855.80 | 1863.33 | 1870.87 | 1878.43 | 1886.01 | 1893.61 | 1901.23 |
| 140 | 1908.87 | 1916.52 | 1924.20 | 1931.90 | 1939.62 | 1947.35 | 1955.11 | 1962.89 | 1970.69 | 1978.51 |
| 150 | 1986.35 | 1994.21 | 2002.09 | 2009.99 | 2017.91 | 2025.85 | 2033.82 | 2041.80 | 2049.81 | 2057.84 |
| 160 | 2065.89 | 2073.96 | 2082.05 | 2090.16 | 2098.30 | 2106.46 | 2114.64 | 2122.84 | 2131.06 | 2139.31 |
| 170 | 2147.58 | 2155.87 | 2164.19 | 2172.52 | 2180.88 | 2189.26 | 2197.67 | 2206.10 | 2214.55 | 2223.03 |
| 180 | 2231.53 | 2240.05 | 2248.59 | 2257.16 | 2265.76 | 2274.38 | 2283.02 | 2291.68 | 2300.37 | 2309.09 |
| 190 | 2317.83 | 2326.59 | 2335.38 | 2344.20 | 2353.04 | 2361.90 | 2370.79 | 2379.70 | 2388.64 | 2397.61 |
| 200 | 2406.60 | 2415.62 | 2424.66 | 2433.73 | 2442.82 | 2451.95 | 2461.09 | 2470.27 | 2479.47 | 2488.70 |
| 210 | 2497.95 | 2507.23 | 2516.54 | 2525.88 | 2535.24 | 2544.63 | 2554.05 | 2563.50 | 2572.97 | 2582.47 |
| 220 | 2592.00 | 2601.56 | 2611.15 | 2620.76 | 2630.40 | 2640.08 | 2649.78 | 2659.51 | 2669.26 | 2679.05 |
| 230 | 2688.87 | 2698.72 | 2708.59 | 2718.50 | 2728.43 | 2738.40 | 2748.40 | 2758.42 | 2768.48 | 2778.56 |
| 240 | 2788.68 | 2798.83 | 2809.01 | 2819.22 | 2829.46 | 2839.73 | 2850.03 | 2860.37 | 2870.73 | 2881.13 |
| 250 | 2891.56 | 2902.02 | 2912.52 | 2923.04 | 2933.60 | 2944.19 | 2954.82 | 2965.48 | 2976.16 | 2986.89 |
| 260 | 2997.64 | 3008.43 | 3019.26 | 3030.11 | 3041.00 | 3051.92 | 3062.88 | 3073.87 | 3084.90 | 3095.96 |
| 270 | 3107.06 | 3118.19 | 3129.35 | 3140.55 | 3151.78 | 3163.05 | 3174.36 | 3185.70 | 3197.07 | 3208.49 |
| 280 | 3219.93 | 3231.42 | 3242.94 | 3254.49 | 3266.08 | 3277.71 | 3289.38 | 3301.08 | 3312.82 | 3324.60 |
| 290 | 3336.41 | 3348.26 | 3360.15 | 3372.08 | 3384.04 | 3396.04 | 3408.08 | 3420.16 | 3432.28 | 3444.43 |
| 300 | 3456.63 | | | | | | | | | |