

RTD Temperature Vs. Resistance Table

NICKEL-IRON : FC TCR = 0.00527

$R_0 = 1816.81$

Temperature < 32°F: A = 0.00463189 B = 6.96196E-06 C = -1.72771E-08

Temperature > 32°F: A = 0.00463189 B = 6.96196E-06 C = -5.71203E-09

Values are in Ohms

Temp °F	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-140	1155.56	1152.72	1149.88	1147.06	1144.25	1141.46	1138.68	1135.91	1133.16	
-130	1184.77	1181.79	1178.83	1175.87	1172.93	1170.00	1167.09	1164.19	1161.30	1158.43
-120	1215.28	1212.18	1209.08	1206.00	1202.93	1199.87	1196.82	1193.79	1190.77	1187.77
-110	1247.07	1243.83	1240.61	1237.40	1234.20	1231.02	1227.85	1224.69	1221.54	1218.41
-100	1280.09	1276.73	1273.39	1270.06	1266.73	1263.43	1260.13	1256.85	1253.57	1250.31
-90	1314.32	1310.84	1307.38	1303.93	1300.49	1297.06	1293.64	1290.23	1286.84	1283.46
-80	1349.73	1346.13	1342.55	1338.98	1335.42	1331.88	1328.34	1324.82	1321.31	1317.81
-70	1386.27	1382.57	1378.87	1375.19	1371.52	1367.86	1364.21	1360.57	1356.94	1353.33
-60	1423.93	1420.12	1416.31	1412.52	1408.74	1404.96	1401.20	1397.45	1393.72	1389.99
-50	1462.67	1458.74	1454.83	1450.93	1447.04	1443.16	1439.30	1435.44	1431.59	1427.76
-40	1502.45	1498.42	1494.41	1490.40	1486.41	1482.43	1478.45	1474.49	1470.54	1466.60
-30	1543.24	1539.12	1535.00	1530.90	1526.80	1522.72	1518.64	1514.58	1510.52	1506.48
-20	1585.02	1580.79	1576.58	1572.38	1568.19	1564.01	1559.83	1555.67	1551.52	1547.37
-10	1627.74	1623.42	1619.12	1614.82	1610.54	1606.26	1601.99	1597.73	1593.49	1589.25
-0	1671.38	1666.97	1662.58	1658.19	1653.82	1649.45	1645.09	1640.74	1636.39	1632.06

Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	1671.38	1675.79	1680.21	1684.65	1689.08	1693.53	1697.99	1702.46	1706.93	1711.41
10	1715.90	1720.40	1724.91	1729.43	1733.95	1738.49	1743.03	1747.58	1752.14	1756.70
20	1761.28	1765.86	1770.45	1775.05	1779.66	1784.28	1788.90	1793.53	1798.17	1802.82
30	1807.48	1812.14	1816.81	1821.49	1826.18	1830.87	1835.57	1840.28	1845.00	1849.73
40	1854.46	1859.20	1863.95	1868.71	1873.47	1878.24	1883.02	1887.81	1892.60	1897.41
50	1902.22	1907.03	1911.86	1916.69	1921.53	1926.38	1931.24	1936.10	1940.97	1945.85
60	1950.74	1955.63	1960.53	1965.44	1970.35	1975.28	1980.21	1985.15	1990.09	1995.04
70	2000.01	2004.97	2009.95	2014.93	2019.92	2024.92	2029.92	2034.93	2039.95	2044.98
80	2050.01	2055.06	2060.10	2065.16	2070.22	2075.29	2080.37	2085.46	2090.55	2095.65
90	2100.75	2105.87	2110.99	2116.12	2121.25	2126.39	2131.54	2136.70	2141.86	2147.03
100	2152.21	2157.40	2162.59	2167.79	2172.99	2178.21	2183.43	2188.65	2193.89	2199.13
110	2204.38	2209.63	2214.90	2220.16	2225.44	2230.72	2236.01	2241.31	2246.61	2251.92
120	2257.24	2262.57	2267.90	2273.24	2278.58	2283.93	2289.29	2294.66	2300.03	2305.41
130	2310.79	2316.18	2321.58	2326.99	2332.40	2337.82	2343.25	2348.68	2354.12	2359.57
140	2365.02	2370.48	2375.94	2381.42	2386.90	2392.38	2397.88	2403.37	2408.88	2414.39
150	2419.91	2425.44	2430.97	2436.51	2442.05	2447.60	2453.16	2458.73	2464.30	2469.87

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Values are in Ohms

Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
160	2475.46	2481.05	2486.65	2492.25	2497.86	2503.47	2509.10	2514.72	2520.36	2526.00
170	2531.65	2537.30	2542.96	2548.63	2554.30	2559.98	2565.67	2571.36	2577.06	2582.76
180	2588.47	2594.19	2599.91	2605.64	2611.38	2617.12	2622.87	2628.62	2634.38	2640.15
190	2645.92	2651.70	2657.48	2663.27	2669.07	2674.87	2680.68	2686.50	2692.32	2698.15
200	2703.98	2709.82	2715.66	2721.52	2727.37	2733.24	2739.11	2744.98	2750.86	2756.75
210	2762.64	2768.54	2774.44	2780.35	2786.27	2792.19	2798.12	2804.06	2810.00	2815.94
220	2821.89	2827.85	2833.81	2839.78	2845.76	2851.74	2857.72	2863.71	2869.71	2875.71
230	2881.72	2887.74	2893.76	2899.78	2905.82	2911.85	2917.90	2923.95	2930.00	2936.06
240	2942.12	2948.20	2954.27	2960.35	2966.44	2972.54	2978.63	2984.74	2990.85	2996.96
250	3003.08	3009.21	3015.34	3021.48	3027.62	3033.77	3039.92	3046.08	3052.25	3058.42
260	3064.59	3070.77	3076.96	3083.15	3089.35	3095.55	3101.76	3107.97	3114.19	3120.41
270	3126.64	3132.87	3139.11	3145.35	3151.60	3157.86	3164.12	3170.38	3176.65	3182.93
280	3189.21	3195.49	3201.79	3208.08	3214.38	3220.69	3227.00	3233.32	3239.64	3245.96
290	3252.30	3258.63	3264.97	3271.32	3277.67	3284.03	3290.39	3296.76	3303.13	3309.51
300	3315.89	3322.28	3328.67	3335.06	3341.47	3347.87	3354.28	3360.70	3367.12	3373.55
310	3379.98	3386.41	3392.85	3399.30	3405.75	3412.20	3418.66	3425.13	3431.60	3438.07
320	3444.55	3451.03	3457.52	3464.01	3470.51	3477.01	3483.52	3490.03	3496.55	3503.07
330	3509.59	3516.12	3522.66	3529.20	3535.74	3542.29	3548.84	3555.40	3561.96	3568.53
340	3575.10	3581.68	3588.26	3594.84	3601.43	3608.02	3614.62	3621.23	3627.83	3634.44
350	3641.06	3647.68	3654.31	3660.93	3667.57	3674.21	3680.85	3687.49	3694.15	3700.80
360	3707.46	3714.12	3720.79	3727.47	3734.14	3740.82	3747.51	3754.20	3760.89	3767.59
370	3774.29	3781.00	3787.71	3794.42	3801.14	3807.87	3814.59	3821.32	3828.06	3834.80
380	3841.54	3848.29	3855.04	3861.80	3868.56	3875.32	3882.09	3888.86	3895.64	3902.42
390	3909.20	3915.99	3922.78	3929.58	3936.38	3943.18	3949.99	3956.80	3963.62	3970.44