

## RTD Temperature Vs. Resistance Table

NICKEL-IRON : FC    TCR = 0.00527

$R_0 = 1816.81$

Temperature < 0°C:    A = 0.00463189    B = 6.96196E-06    C = -1.72771E-08

Temperature > 0°C:    A = 0.00463189    B = 6.96196E-06    C = -5.71203E-09

Values are in Ohms

Temp °C	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-100	1133.16									
-90	1184.77	1179.42	1174.11	1168.84	1163.61	1158.43	1153.28	1148.19	1143.13	1138.12
-80	1240.61	1234.84	1229.11	1223.43	1217.78	1212.18	1206.61	1201.09	1195.61	1190.17
-70	1300.49	1294.32	1288.20	1282.11	1276.06	1270.06	1264.09	1258.16	1252.27	1246.42
-60	1364.21	1357.67	1351.17	1344.70	1338.27	1331.88	1325.52	1319.21	1312.93	1306.69
-50	1431.59	1424.69	1417.83	1411.00	1404.21	1397.45	1390.73	1384.05	1377.40	1370.79
-40	1502.45	1495.21	1488.01	1480.84	1473.70	1466.60	1459.53	1452.49	1445.49	1438.52
-30	1576.58	1569.03	1561.50	1554.01	1546.55	1539.12	1531.72	1524.35	1517.02	1509.72
-20	1653.82	1645.96	1638.13	1630.33	1622.56	1614.82	1607.12	1599.44	1591.79	1584.17
-10	1733.95	1725.81	1717.70	1709.62	1701.56	1693.53	1685.53	1677.56	1669.62	1661.70
-0	1816.81	1808.41	1800.03	1791.68	1783.35	1775.05	1766.78	1758.53	1750.31	1742.12

Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	1816.81	1825.24	1833.69	1842.17	1850.67	1859.20	1867.75	1876.33	1884.94	1893.56
10	1902.22	1910.89	1919.60	1928.32	1937.07	1945.85	1954.65	1963.47	1972.32	1981.19
20	1990.09	1999.01	2007.96	2016.93	2025.92	2034.93	2043.97	2053.04	2062.13	2071.24
30	2080.37	2089.53	2098.71	2107.92	2117.14	2126.39	2135.67	2144.96	2154.29	2163.63
40	2172.99	2182.38	2191.79	2201.23	2210.69	2220.16	2229.67	2239.19	2248.74	2258.31
50	2267.90	2277.51	2287.15	2296.80	2306.48	2316.18	2325.91	2335.65	2345.42	2355.21
60	2365.02	2374.85	2384.70	2394.58	2404.47	2414.39	2424.33	2434.29	2444.27	2454.27
70	2464.30	2474.34	2484.41	2494.49	2504.60	2514.72	2524.87	2535.04	2545.23	2555.44
80	2565.67	2575.92	2586.19	2596.48	2606.79	2617.12	2627.47	2637.84	2648.23	2658.64
90	2669.07	2679.52	2689.99	2700.48	2710.99	2721.52	2732.06	2742.63	2753.22	2763.82
100	2774.44	2785.09	2795.75	2806.43	2817.13	2827.85	2838.59	2849.34	2860.12	2870.91
110	2881.72	2892.55	2903.40	2914.27	2925.16	2936.06	2946.98	2957.92	2968.88	2979.85
120	2990.85	3001.86	3012.89	3023.94	3035.00	3046.08	3057.18	3068.30	3079.43	3090.59
130	3101.76	3112.94	3124.15	3135.37	3146.60	3157.86	3169.13	3180.42	3191.72	3203.04
140	3214.38	3225.74	3237.11	3248.50	3259.90	3271.32	3282.76	3294.21	3305.68	3317.17
150	3328.67	3340.18	3351.72	3363.27	3374.83	3386.41	3398.01	3409.62	3421.25	3432.89
160	3444.55	3456.22	3467.91	3479.61	3491.33	3503.07	3514.82	3526.58	3538.36	3550.15
170	3561.96	3573.79	3585.62	3597.48	3609.34	3621.23	3633.12	3645.03	3656.96	3668.90
180	3680.85	3692.82	3704.80	3716.79	3728.80	3740.82	3752.86	3764.91	3776.97	3789.05
190	3801.14	3813.25	3825.37	3837.50	3849.64	3861.80	3873.97	3886.15	3898.35	3910.56

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Values are in Ohms

Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
200	3922.78	3935.02	3947.27	3959.53	3971.80					