

RTD Temperature Vs. Resistance Table

NICKEL-IRON : FB TCR = 0.00527

$R_0 = 908.4$

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	577.779	576.355	574.938	573.527	572.124	570.727	569.336	567.953	566.576	
-130	592.383	590.893	589.409	587.933	586.462	584.998	583.541	582.091	580.647	579.210
-120	607.639	606.084	604.536	602.995	601.459	599.930	598.408	596.892	595.382	593.879
-110	623.530	621.913	620.302	618.697	617.099	615.506	613.920	612.340	610.767	609.200
-100	640.042	638.363	636.691	635.024	633.364	631.710	630.062	628.420	626.784	625.154
-90	657.157	655.419	653.686	651.960	650.239	648.525	646.816	645.114	643.417	641.726
-80	674.859	673.063	671.272	669.488	667.709	665.935	664.168	662.406	660.651	658.901
-70	693.133	691.280	689.433	687.591	685.756	683.925	682.101	680.282	678.469	676.661
-60	711.961	710.054	708.152	706.255	704.364	702.478	700.598	698.724	696.854	694.991
-50	731.329	729.368	727.413	725.463	723.518	721.578	719.644	717.715	715.792	713.874
-40	751.219	749.207	747.200	745.198	743.201	741.209	739.223	737.242	735.265	733.294
-30	771.616	769.554	767.497	765.445	763.397	761.355	759.318	757.286	755.258	753.236
-20	792.503	790.393	788.287	786.186	784.090	781.999	779.913	777.831	775.755	773.683
-10	813.865	811.708	809.556	807.408	805.264	803.126	800.992	798.863	796.738	794.618
-0	835.685	833.483	831.285	829.092	826.903	824.719	822.539	820.364	818.193	816.027

Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	835.685	837.892	840.103	842.318	844.538	846.762	848.990	851.223	853.460	855.701
10	857.947	860.197	862.451	864.709	866.972	869.239	871.510	873.785	876.064	878.348
20	880.635	882.927	885.222	887.522	889.826	892.134	894.445	896.761	899.081	901.405
30	903.733	906.064	908.400	910.740	913.083	915.430	917.781	920.136	922.495	924.858
40	927.225	929.596	931.970	934.348	936.730	939.116	941.506	943.900	946.297	948.698
50	951.103	953.512	955.925	958.341	960.762	963.186	965.613	968.045	970.480	972.920
60	975.362	977.809	980.260	982.714	985.172	987.633	990.099	992.568	995.040	997.517
70	999.997	1002.48	1004.97	1007.46	1009.95	1012.45	1014.96	1017.46	1019.97	1022.48
80	1025.00	1027.52	1030.05	1032.57	1035.11	1037.64	1040.18	1042.72	1045.27	1047.82
90	1050.37	1052.93	1055.49	1058.05	1060.62	1063.19	1065.77	1068.34	1070.93	1073.51
100	1076.10	1078.69	1081.29	1083.89	1086.49	1089.10	1091.71	1094.32	1096.94	1099.56
110	1102.18	1104.81	1107.44	1110.08	1112.71	1115.36	1118.00	1120.65	1123.30	1125.96
120	1128.61	1131.28	1133.94	1136.61	1139.28	1141.96	1144.64	1147.32	1150.01	1152.70
130	1155.39	1158.09	1160.79	1163.49	1166.19	1168.90	1171.62	1174.33	1177.05	1179.78
140	1182.50	1185.23	1187.97	1190.70	1193.44	1196.18	1198.93	1201.68	1204.43	1207.19
150	1209.95	1212.71	1215.48	1218.25	1221.02	1223.80	1226.57	1229.36	1232.14	1234.93

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Values are in Ohms

Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
160	1237.72	1240.52	1243.32	1246.12	1248.92	1251.73	1254.54	1257.36	1260.17	1262.99
170	1265.82	1268.64	1271.47	1274.31	1277.14	1279.98	1282.83	1285.67	1288.52	1291.37
180	1294.23	1297.09	1299.95	1302.81	1305.68	1308.55	1311.43	1314.30	1317.18	1320.07
190	1322.95	1325.84	1328.73	1331.63	1334.53	1337.43	1340.33	1343.24	1346.15	1349.07
200	1351.98	1354.90	1357.82	1360.75	1363.68	1366.61	1369.55	1372.48	1375.42	1378.37
210	1381.31	1384.26	1387.21	1390.17	1393.13	1396.09	1399.05	1402.02	1404.99	1407.96
220	1410.94	1413.92	1416.90	1419.88	1422.87	1425.86	1428.85	1431.85	1434.85	1437.85
230	1440.85	1443.86	1446.87	1449.88	1452.90	1455.92	1458.94	1461.96	1464.99	1468.02
240	1471.05	1474.09	1477.13	1480.17	1483.21	1486.26	1489.31	1492.36	1495.42	1498.47
250	1501.53	1504.60	1507.66	1510.73	1513.80	1516.88	1519.95	1523.03	1526.12	1529.20
260	1532.29	1535.38	1538.47	1541.57	1544.66	1547.77	1550.87	1553.98	1557.08	1560.20
270	1563.31	1566.43	1569.55	1572.67	1575.79	1578.92	1582.05	1585.18	1588.32	1591.46
280	1594.60	1597.74	1600.88	1604.03	1607.18	1610.34	1613.49	1616.65	1619.81	1622.97
290	1626.14	1629.31	1632.48	1635.65	1638.83	1642.01	1645.19	1648.37	1651.56	1654.74
300	1657.94	1661.13	1664.32	1667.52	1670.72	1673.93	1677.13	1680.34	1683.55	1686.76
310	1689.98	1693.20	1696.42	1699.64	1702.86	1706.09	1709.32	1712.55	1715.79	1719.03
320	1722.26	1725.51	1728.75	1732.00	1735.25	1738.50	1741.75	1745.01	1748.26	1751.52
330	1754.79	1758.05	1761.32	1764.59	1767.86	1771.14	1774.41	1777.69	1780.97	1784.25
340	1787.54	1790.83	1794.12	1797.41	1800.71	1804.00	1807.30	1810.60	1813.91	1817.21
350	1820.52	1823.83	1827.14	1830.46	1833.77	1837.09	1840.41	1843.74	1847.06	1850.39
360	1853.72	1857.05	1860.39	1863.72	1867.06	1870.40	1873.74	1877.09	1880.44	1883.78
370	1887.14	1890.49	1893.84	1897.20	1900.56	1903.92	1907.29	1910.65	1914.02	1917.39
380	1920.76	1924.13	1927.51	1930.89	1934.27	1937.65	1941.03	1944.42	1947.81	1951.20
390	1954.59	1957.99	1961.38	1964.78	1968.18	1971.58	1974.98	1978.39	1981.80	1985.21