

## RTD Temperature Vs. Resistance Table

NICKEL-IRON : FA    TCR = 0.00518

$$R_0 = 604$$

Temperature < 32°F:    A = 0.00468699    B = 8.58992E-06    C = 0

Temperature > 32°F:    A = 0.00459818    B = 5.89404E-06    C = 0

Values are in Ohms

Temp °F	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-140	380.862	379.841	378.824	377.810	376.800	375.792	374.788	373.787	372.789	
-130	391.241	390.188	389.139	388.093	387.051	386.011	384.975	383.942	382.912	381.885
-120	401.940	400.855	399.774	398.696	397.622	396.550	395.482	394.417	393.355	392.296
-110	412.959	411.843	410.730	409.620	408.513	407.410	406.309	405.212	404.118	403.027
-100	424.299	423.151	422.006	420.864	419.725	418.589	417.457	416.328	415.202	414.079
-90	435.959	434.779	433.602	432.428	431.257	430.089	428.925	427.764	426.606	425.451
-80	447.940	446.727	445.518	444.312	443.109	441.909	440.713	439.520	438.330	437.143
-70	460.240	458.996	457.754	456.516	455.282	454.050	452.821	451.596	450.374	449.155
-60	472.861	471.585	470.311	469.041	467.774	466.511	465.250	463.993	462.739	461.488
-50	485.802	484.494	483.188	481.886	480.587	479.292	477.999	476.710	475.424	474.141
-40	499.064	497.723	496.386	495.052	493.721	492.393	491.068	489.747	488.429	487.114
-30	512.645	511.273	509.903	508.537	507.174	505.814	504.458	503.104	501.754	500.407
-20	526.547	525.143	523.741	522.343	520.948	519.556	518.168	516.782	515.400	514.021
-10	540.769	539.333	537.899	536.469	535.042	533.618	532.198	530.780	529.366	527.955
-0	555.312	553.843	552.378	550.916	549.456	548.001	546.548	545.099	543.652	542.209

Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	555.312	556.784	558.259	559.737	561.219	562.703	564.191	565.682	567.176	568.674
10	570.175	571.679	573.186	574.696	576.209	577.726	579.246	580.769	582.295	583.825
20	585.358	586.894	588.433	589.975	591.521	593.069	594.621	596.176	597.735	599.296
30	600.861	602.429	604.000	605.544	607.090	608.639	610.189	611.742	613.297	614.854
40	616.414	617.976	619.539	621.105	622.674	624.244	625.817	627.391	628.968	630.548
50	632.129	633.713	635.298	636.886	638.477	640.069	641.664	643.260	644.859	646.461
60	648.064	649.669	651.277	652.887	654.499	656.114	657.730	659.349	660.970	662.593
70	664.219	665.846	667.476	669.108	670.742	672.378	674.017	675.658	677.300	678.946
80	680.593	682.242	683.894	685.548	687.204	688.863	690.523	692.186	693.851	695.518
90	697.187	698.859	700.532	702.208	703.886	705.567	707.249	708.934	710.621	712.310
100	714.001	715.694	717.390	719.088	720.788	722.490	724.195	725.901	727.610	729.321
110	731.035	732.750	734.468	736.188	737.910	739.634	741.360	743.089	744.820	746.553
120	748.288	750.025	751.765	753.507	755.251	756.997	758.746	760.496	762.249	764.004
130	765.761	767.521	769.282	771.046	772.812	774.580	776.351	778.123	779.898	781.675
140	783.454	785.235	787.019	788.805	790.593	792.383	794.175	795.970	797.767	799.566
150	801.367	803.170	804.976	806.783	808.593	810.405	812.220	814.036	815.855	817.676

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
160	819.499	821.324	823.152	824.982	826.814	828.648	830.484	832.323	834.163	836.006
170	837.851	839.699	841.548	843.400	845.254	847.110	848.968	850.829	852.691	854.556
180	856.423	858.292	860.164	862.038	863.913	865.792	867.672	869.554	871.439	873.326
190	875.215	877.106	879.000	880.895	882.793	884.693	886.595	888.500	890.406	892.315
200	894.226	896.140	898.055	899.973	901.892	903.814	905.739	907.665	909.594	911.524
210	913.457	915.393	917.330	919.270	921.211	923.155	925.102	927.050	929.001	930.953
220	932.908	934.866	936.825	938.787	940.750	942.716	944.684	946.655	948.627	950.602
230	952.579	954.558	956.540	958.523	960.509	962.497	964.487	966.479	968.474	970.471
240	972.470	974.471	976.474	978.480	980.487	982.497	984.509	986.524	988.540	990.559
250	992.580	994.603	996.628	998.656	1000.69	1002.72	1004.75	1006.79	1008.83	1010.87
260	1012.91	1014.95	1017.00	1019.05	1021.10	1023.16	1025.21	1027.27	1029.33	1031.39
270	1033.46	1035.53	1037.60	1039.67	1041.74	1043.82	1045.89	1047.97	1050.06	1052.14
280	1054.23	1056.32	1058.41	1060.50	1062.60	1064.70	1066.80	1068.90	1071.00	1073.11
290	1075.22	1077.33	1079.44	1081.56	1083.68	1085.80	1087.92	1090.04	1092.17	1094.30
300	1096.43	1098.56	1100.70	1102.83	1104.97	1107.11	1109.26	1111.40	1113.55	1115.70
310	1117.86	1120.01	1122.17	1124.33	1126.49	1128.65	1130.82	1132.99	1135.16	1137.33
320	1139.50	1141.68	1143.86	1146.04	1148.23	1150.41	1152.60	1154.79	1156.98	1159.18
330	1161.37	1163.57	1165.77	1167.98	1170.18	1172.39	1174.60	1176.81	1179.03	1181.24
340	1183.46	1185.68	1187.90	1190.13	1192.36	1194.59	1196.82	1199.05	1201.29	1203.53
350	1205.77	1208.01	1210.26	1212.50	1214.75	1217.00	1219.26	1221.51	1223.77	1226.03
360	1228.30	1230.56	1232.83	1235.10	1237.37	1239.64	1241.92	1244.20	1246.48	1248.76
370	1251.04	1253.33	1255.62	1257.91	1260.20	1262.50	1264.80	1267.10	1269.40	1271.70
380	1274.01	1276.32	1278.63	1280.94	1283.26	1285.58	1287.90	1290.22	1292.54	1294.87
390	1297.20	1299.53	1301.86	1304.20	1306.53	1308.87	1311.21	1313.56	1315.90	1318.25