

RTD Temperature Vs. Resistance Table

NICKEL-IRON : FA TCR = 0.00518

$$R_0 = 604$$

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

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

Values are in Ohms

Temp °C	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-100	372.789									
-90	391.241	389.349	387.467	385.596	383.735	381.885	380.045	378.215	376.396	374.587
-80	410.730	408.734	406.749	404.774	402.810	400.855	398.912	396.978	395.055	393.143
-70	431.257	429.157	427.068	424.990	422.921	420.864	418.816	416.779	414.752	412.736
-60	452.821	450.618	448.425	446.243	444.071	441.909	439.758	437.617	435.487	433.367
-50	475.424	473.117	470.820	468.534	466.258	463.993	461.738	459.493	457.259	455.035
-40	499.064	496.653	494.253	491.863	489.483	487.114	484.755	482.407	480.069	477.741
-30	523.741	521.227	518.723	516.229	513.746	511.273	508.810	506.358	503.916	501.485
-20	549.456	546.838	544.230	541.633	539.046	536.469	533.903	531.347	528.801	526.266
-10	576.209	573.487	570.776	568.075	565.384	562.703	560.033	557.373	554.724	552.085
-0	604.000	601.174	598.359	595.554	592.759	589.975	587.201	584.438	581.685	578.942

Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	604.000	606.781	609.569	612.364	615.166	617.976	620.792	623.616	626.446	629.284
10	632.129	634.981	637.840	640.707	643.580	646.461	649.348	652.243	655.145	658.054
20	660.970	663.893	666.824	669.761	672.706	675.658	678.616	681.582	684.555	687.536
30	690.523	693.517	696.519	699.528	702.544	705.567	708.597	711.634	714.678	717.729
40	720.788	723.854	726.926	730.006	733.093	736.188	739.289	742.397	745.513	748.635
50	751.765	754.902	758.046	761.197	764.355	767.521	770.693	773.873	777.059	780.253
60	783.454	786.662	789.877	793.100	796.329	799.566	802.809	806.060	809.318	812.583
70	815.855	819.134	822.421	825.714	829.015	832.323	835.637	838.959	842.288	845.625
80	848.968	852.319	855.676	859.041	862.413	865.792	869.178	872.571	875.971	879.379
90	882.793	886.215	889.644	893.079	896.522	899.973	903.430	906.894	910.366	913.844
100	917.330	920.823	924.323	927.830	931.344	934.866	938.394	941.930	945.472	949.022
110	952.579	956.143	959.714	963.293	966.878	970.471	974.070	977.677	981.291	984.912
120	988.540	992.175	995.818	999.467	1003.12	1006.79	1010.46	1014.14	1017.82	1021.51
130	1025.21	1028.92	1032.63	1036.35	1040.08	1043.82	1047.56	1051.31	1055.06	1058.83
140	1062.60	1066.38	1070.16	1073.95	1077.75	1081.56	1085.37	1089.19	1093.02	1096.85
150	1100.70	1104.54	1108.40	1112.26	1116.13	1120.01	1123.90	1127.79	1131.69	1135.59
160	1139.50	1143.42	1147.35	1151.29	1155.23	1159.18	1163.13	1167.09	1171.06	1175.04
170	1179.03	1183.02	1187.01	1191.02	1195.03	1199.05	1203.08	1207.11	1211.15	1215.20
180	1219.26	1223.32	1227.39	1231.47	1235.55	1239.64	1243.74	1247.84	1251.96	1256.08
190	1260.20	1264.34	1268.48	1272.63	1276.78	1280.94	1285.11	1289.29	1293.47	1297.66

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Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
200	1301.86	1306.07	1310.28	1314.50	1318.72					