

1K[1] Platinum RTD: -200 to 0°C (-328 to 32°F) – Temp/Resistance Chart



°C	°F	Ohms
-200	-328.0	195.19
-199	-326.2	199.33
-198	-324.4	203.47
-197	-322.6	207.60
-196	-320.8	211.74
-195	-319.0	215.87
-194	-317.2	220.01
-193	-315.4	224.14
-192	-313.6	228.27
-191	-311.8	232.40
-190	-310.0	236.53
-189	-308.2	240.66
-188	-306.4	244.79
-187	-304.6	248.91
-186	-302.8	253.04
-185	-301.0	257.16
-184	-299.2	261.28
-183	-297.4	265.40
-182	-295.6	269.52
-181	-293.8	273.64
-180	-292.0	277.76
-179	-290.2	281.87
-178	-288.4	285.99
-177	-286.6	290.10
-176	-284.8	294.22
-175	-283.0	298.33
-174	-281.2	302.44
-173	-279.4	306.55
-172	-277.6	310.66
-171	-275.8	314.76
-170	-274.0	318.87
-169	-272.2	322.97
-168	-270.4	327.08
-167	-268.6	331.18
-166	-266.8	335.28
-165	-265.0	339.38
-164	-263.2	343.48
-163	-261.4	347.58
-162	-259.6	351.67
-161	-257.8	355.77
-160	-256.0	359.86
-159	-254.2	363.96
-158	-252.4	368.05
-157	-250.6	372.14
-156	-248.8	376.23
-155	-247.0	380.32
-154	-245.2	384.40
-153	-243.4	388.49
-152	-241.6	392.58
-151	-239.8	396.66
-150	-238.0	400.74

°C	°F	Ohms
-150	-238.0	400.74
-149	-236.2	404.82
-148	-234.4	408.90
-147	-232.6	412.98
-146	-230.8	417.06
-145	-229.0	421.14
-144	-227.2	425.21
-143	-225.4	429.29
-142	-223.6	433.36
-141	-221.8	437.43
-140	-220.0	441.51
-139	-218.2	445.58
-138	-216.4	449.64
-137	-214.6	453.71
-136	-212.8	457.78
-135	-211.0	461.84
-134	-209.2	465.91
-133	-207.4	469.97
-132	-205.6	474.03
-131	-203.8	478.09
-130	-202.0	482.15
-129	-200.2	486.21
-128	-198.4	490.27
-127	-196.6	494.32
-126	-194.8	498.38
-125	-193.0	502.43
-124	-191.2	506.48
-123	-189.4	510.54
-122	-187.6	514.59
-121	-185.8	518.63
-120	-184.0	522.68
-119	-182.2	526.73
-118	-180.4	530.77
-117	-178.6	534.82
-116	-176.8	538.86
-115	-175.0	542.90
-114	-173.2	546.95
-113	-171.4	550.99
-112	-169.6	555.02
-111	-167.8	559.06
-110	-166.0	563.10
-109	-164.2	567.13
-108	-162.4	571.17
-107	-160.6	575.20
-106	-158.8	579.23
-105	-157.0	583.26
-104	-155.2	587.29
-103	-153.4	591.32
-102	-151.6	595.35
-101	-149.8	599.37
-100	-148.0	603.40

°C	°F	Ohms
-99	-146.2	607.42
-98	-144.4	611.44
-97	-142.6	615.46
-96	-140.8	619.48
-95	-139.0	623.50
-94	-137.2	627.52
-93	-135.4	631.54
-92	-133.6	635.55
-91	-131.8	639.57
-90	-130.0	643.58
-89	-128.2	647.59
-88	-126.4	651.60
-87	-124.6	655.61
-86	-122.8	659.62
-85	-121.0	663.63
-84	-119.2	667.63
-83	-117.4	671.64
-82	-115.6	675.64
-81	-113.8	679.64
-80	-112.0	683.65
-79	-110.2	687.65
-78	-108.4	691.64
-77	-106.6	695.64
-76	-104.8	699.64
-75	-103.0	703.63
-74	-101.2	707.63
-73	-99.4	711.62
-72	-97.6	715.61
-71	-95.8	719.61
-70	-94.0	723.60
-69	-92.2	727.58
-68	-90.4	731.57
-67	-88.6	735.56
-66	-86.8	739.54
-65	-85.0	743.53
-64	-83.2	747.51
-63	-81.4	751.49
-62	-79.6	755.47
-61	-77.8	759.45
-60	-76.0	763.43
-59	-74.2	767.41
-58	-72.4	771.38
-57	-70.6	775.36
-56	-68.8	779.33
-55	-67.0	783.30
-54	-65.2	787.28
-53	-63.4	791.25
-52	-61.6	795.21
-51	-59.8	799.18
-50	-58.0	803.15
-49	-56.2	807.11

°C	°F	Ohms
-48	-54.4	811.08
-47	-52.6	815.04
-46	-50.8	819.00
-45	-49.0	822.96
-44	-47.2	826.92
-43	-45.4	830.88
-42	-43.6	834.84
-41	-41.8	838.80
-40	-40.0	842.75
-39	-38.2	846.70
-38	-36.4	850.66
-37	-34.6	854.61
-36	-32.8	858.56
-35	-31.0	862.51
-34	-29.2	866.46
-33	-27.4	870.40
-32	-25.6	874.35
-31	-23.8	878.29
-30	-22.0	882.24
-29	-20.2	886.18
-28	-18.4	890.12
-27	-16.6	894.06
-26	-14.8	898.00
-25	-13.0	901.94
-24	-11.2	905.87
-23	-9.4	909.81
-22	-7.6	913.74
-21	-5.8	917.68
-20	-4.0	921.61
-19	-2.2	925.54
-18	-0.4	929.47
-17	1.4	933.40
-16	3.2	937.32
-15	5.0	941.25
-14	6.8	945.17
-13	8.6	949.10
-12	10.4	953.02
-11	12.2	956.94
-10	14.0	960.86
-9	15.8	964.78
-8	17.6	968.70
-7	19.4	972.62
-6	21.2	976.53
-5	23.0	980.45
-4	24.8	984.36
-3	26.6	988.27
-2	28.4	992.18
-1	30.2	996.09
0	32.0	1000.00



1K[2] Platinum RTD: 25 to 260°C (77 to 500°F) – Temp/Resistance Chart



°C	°F	Ohms
25	77.0	1097.34
26	78.8	1101.22
27	80.6	1105.09
28	82.4	1108.97
29	84.2	1112.84
30	86.0	1116.72
31	87.8	1120.59
32	89.6	1124.46
33	91.4	1128.33
34	93.2	1132.20
35	95.0	1136.07
36	96.8	1139.94
37	98.6	1143.80
38	100.4	1147.67
39	102.2	1151.53
40	104.0	1155.39
41	105.8	1159.25
42	107.6	1163.11
43	109.4	1166.97
44	111.2	1170.83
45	113.0	1174.69
46	114.8	1178.54
47	116.6	1182.40
48	118.4	1186.25
49	120.2	1190.10
50	122.0	1193.95
51	123.8	1197.80
52	125.6	1201.65
53	127.4	1205.50
54	129.2	1209.34
55	131.0	1213.19
56	132.8	1217.03
57	134.6	1220.87
58	136.4	1224.71
59	138.2	1228.55
60	140.0	1232.39
61	141.8	1236.23
62	143.6	1240.07
63	145.4	1243.90
64	147.2	1247.74
65	149.0	1251.57
66	150.8	1255.40
67	152.6	1259.23
68	154.4	1263.06
69	156.2	1266.89
70	158.0	1270.72
71	159.8	1274.54
72	161.6	1278.37
73	163.4	1282.19
74	165.2	1286.02
75	167.0	1289.84
76	168.8	1293.66
77	170.6	1297.48
78	172.4	1301.30
79	174.2	1305.11
80	176.0	1308.93
81	177.8	1312.74
82	179.6	1316.56
83	181.4	1320.37
84	183.2	1324.18

°C	°F	Ohms
85	185.0	1327.99
86	186.8	1331.80
87	188.6	1335.61
88	190.4	1339.41
89	192.2	1343.22
90	194.0	1347.02
91	195.8	1350.83
92	197.6	1354.63
93	199.4	1358.43
94	201.2	1362.23
95	203.0	1366.03
96	204.8	1369.82
97	206.6	1373.62
98	208.4	1377.41
99	210.2	1381.21
100	212.0	1385.00
101	213.8	1388.79
102	215.6	1392.58
103	217.4	1396.37
104	219.2	1400.16
105	221.0	1403.95
106	222.8	1407.73
107	224.6	1411.52
108	226.4	1415.30
109	228.2	1419.08
110	230.0	1422.86
111	231.8	1426.64
112	233.6	1430.42
113	235.4	1434.20
114	237.2	1437.97
115	239.0	1441.75
116	240.8	1445.52
117	242.6	1449.30
118	244.4	1453.07
119	246.2	1456.84
120	248.0	1460.61
121	249.8	1464.38
122	251.6	1468.14
123	253.4	1471.91
124	255.2	1475.67
125	257.0	1479.44
126	258.8	1483.20
127	260.6	1486.96
128	262.4	1490.72
129	264.2	1494.48
130	266.0	1498.24
131	267.8	1501.99
132	269.6	1505.75
133	271.4	1509.50
134	273.2	1513.26
135	275.0	1517.01
136	276.8	1520.76
137	278.6	1524.51
138	280.4	1528.26
139	282.2	1532
140	284	1535.75
141	285.8	1539.5
142	287.6	1543.24
143	289.4	1546.98
144	291.2	1550.72

°C	°F	Ohms
145	293.0	1554.46
146	294.8	1558.20
147	296.6	1561.94
148	298.4	1565.68
149	300.2	1569.41
150	302.0	1573.15
151	303.8	1576.88
152	305.6	1580.61
153	307.4	1584.35
154	309.2	1588.08
155	311.0	1591.80
156	312.8	1595.53
157	314.6	1599.26
158	316.4	1602.98
159	318.2	1606.71
160	320.0	1610.43
161	321.8	1614.15
162	323.6	1617.87
163	325.4	1621.59
164	327.2	1625.31
165	329.0	1629.03
166	330.8	1632.74
167	332.6	1636.46
168	334.4	1640.17
169	336.2	1643.88
170	338.0	1647.60
171	339.8	1651.31
172	341.6	1655.01
173	343.4	1658.72
174	345.2	1662.43
175	347.0	1666.13
176	348.8	1669.84
177	350.6	1673.54
178	352.4	1677.24
179	354.2	1680.95
180	356.0	1684.65
181	357.8	1688.34
182	359.6	1692.04
183	361.4	1695.74
184	363.2	1699.43
185	365.0	1703.13
186	366.8	1706.82
187	368.6	1710.51
188	370.4	1714.20
189	372.2	1717.89
190	374.0	1721.58
191	375.8	1725.27
192	377.6	1728.95
193	379.4	1732.64
194	381.2	1736.32
195	383.0	1740.00
196	384.8	1743.68
197	386.6	1747.36
198	388.4	1751.04
199	390.2	1754.72
200	392	1758.4
201	393.8	1762.07
202	395.6	1765.75
203	397.4	1769.42
204	399.2	1773.09

°C	°F	Ohms
205	401.0	1776.76
206	402.8	1780.43
207	404.6	1784.10
208	406.4	1787.77
209	408.2	1791.43
210	410.0	1795.10
211	411.8	1798.76
212	413.6	1802.42
213	415.4	1806.09
214	417.2	1809.75
215	419.0	1813.40
216	420.8	1817.06
217	422.6	1820.72
218	424.4	1824.37
219	426.2	1828.03
220	428.0	1831.68
221	429.8	1835.33
222	431.6	1838.99
223	433.4	1842.64
224	435.2	1846.28
225	437.0	1849.93
226	438.8	1853.58
227	440.6	1857.22
228	442.4	1860.87
229	444.2	1864.51
230	446.0	1868.15
231	447.8	1871.79
232	449.6	1875.43
233	451.4	1879.07
234	453.2	1882.71
235	455.0	1886.34
236	456.8	1889.98
237	458.6	1893.61
238	460.4	1897.24
239	462.2	1900.88
240	464.0	1904.51
241	465.8	1908.13
242	467.6	1911.76
243	469.4	1915.39
244	471.2	1919.01
245	473.0	1922.64
246	474.8	1926.26
247	476.6	1929.88
248	478.4	1933.50
249	480.2	1937.12
250	482.0	1940.74
251	483.8	1944.36
252	485.6	1947.98
253	487.4	1951.59
254	489.2	1955.2
255	491	1958.82
256	492.8	1962.43
257	494.6	1966.04
258	496.4	1969.65
259	498.2	1973.26
260	500	1976.86



1K[3] Platinum RTD: 25 to 600°C (77 to 1,117°F) – Temp/Resistance Chart



°C	°F	Ohms
25	77.0	1097.34
28	82.4	1108.97
31	87.8	1120.59
34	93.2	1132.20
37	98.6	1143.80
40	104.0	1155.39
43	109.4	1166.97
46	114.8	1178.54
49	120.2	1190.10
52	125.6	1201.65
55	131.0	1213.19
58	136.4	1224.71
61	141.8	1236.23
64	147.2	1247.74
67	152.6	1259.23
70	158.0	1270.72
73	163.4	1282.19
76	168.8	1293.66
79	174.2	1305.11
82	179.6	1316.56
85	185.0	1327.99
88	190.4	1339.41
91	195.8	1350.83
94	201.2	1362.23
97	206.6	1373.62
100	212.0	1385.00
103	217.4	1396.37
106	222.8	1407.73
109	228.2	1419.08
112	233.6	1430.42
115	239.0	1441.75
118	244.4	1453.07
121	249.8	1464.38
124	255.2	1475.67
127	260.6	1486.96
130	266.0	1498.24
133	271.4	1509.50
136	276.8	1520.76
139	282.2	1532.00
142	287.6	1543.24
145	293.0	1554.46
148	298.4	1565.68
151	303.8	1576.88
154	309.2	1588.08
157	314.6	1599.26
160	320.0	1610.43
163	325.4	1621.59
166	330.8	1632.74

°C	°F	Ohms
169	336.2	1643.88
172	341.6	1655.01
175	347.0	1666.13
178	352.4	1677.24
181	357.8	1688.34
184	363.2	1699.43
187	368.6	1710.51
190	374.0	1721.58
193	379.4	1732.64
196	384.8	1743.68
199	390.2	1754.72
202	395.6	1765.75
205	401.0	1776.76
208	406.4	1787.77
211	411.8	1798.76
214	417.2	1809.75
217	422.6	1820.72
220	428.0	1831.68
223	433.4	1842.64
226	438.8	1853.58
229	444.2	1864.51
232	449.6	1875.43
235	455.0	1886.34
238	460.4	1897.24
241	465.8	1908.13
244	471.2	1919.01
247	476.6	1929.88
250	482.0	1940.74
253	487.4	1951.59
256	492.8	1962.43
259	498.2	1973.26
262	503.6	1984.07
265	509.0	1994.88
268	514.4	2005.68
271	519.8	2016.46
274	525.2	2027.24
277	530.6	2038.00
280	536.0	2048.76
283	541.4	2059.50
286	546.8	2070.24
289	552.2	2080.96
292	557.6	2091.67
295	563.0	2102.37
298	568.4	2113.07
301	573.8	2123.75
304	579.2	2134.42
307	584.6	2145.08
310	590.0	2155.73

°C	°F	Ohms
313	595.4	2166.37
316	600.8	2177.00
319	606.2	2187.62
322	611.6	2198.22
325	617.0	2208.82
328	622.4	2219.41
331	627.8	2229.99
334	633.2	2240.55
337	638.6	2251.11
340	644.0	2261.66
343	649.4	2272.19
346	654.8	2282.72
349	660.2	2293.23
352	665.6	2303.73
355	671.0	2314.23
358	676.4	2324.71
361	681.8	2335.18
364	687.2	2345.65
367	692.6	2356.10
370	698.0	2366.54
373	703.4	2376.97
376	708.8	2387.39
379	714.2	2397.80
382	719.6	2408.20
385	725.0	2418.59
388	730.4	2428.97
391	735.8	2439.33
394	741.2	2449.69
397	746.6	2460.04
400	752.0	2470.38
403	757.4	2480.70
406	762.8	2491.02
409	768.2	2501.32
412	773.6	2511.62
415	779.0	2521.90
418	784.4	2532.18
421	789.8	2542.44
424	795.2	2552.69
427	800.6	2562.94
430	806.0	2573.17
433	811.4	2583.39
436	816.8	2593.60
439	822.2	2603.80
442	827.6	2613.99
445	833.0	2624.17
448	838.4	2634.34
451	843.8	2644.50
454	849.2	2654.65

°C	°F	Ohms
457	854.6	2664.79
460	860.0	2674.92
463	865.4	2685.04
466	870.8	2695.14
469	876.2	2705.24
472	881.6	2715.33
475	887.0	2725.40
478	892.4	2735.47
481	897.8	2745.52
484	903.2	2755.57
487	908.6	2765.60
490	914.0	2775.62
493	919.4	2785.64
496	924.8	2795.64
499	930.2	2805.63
502	935.6	2815.61
505	941.0	2825.58
508	946.4	2835.55
511	951.8	2845.50
514	957.2	2855.44
517	962.6	2865.37
520	968.0	2875.28
523	973.4	2885.19
526	978.8	2895.09
529	984.2	2904.98
532	989.6	2914.86
535	995.0	2924.72
538	1000.4	2934.58
541	1005.8	2944.43
544	1011.2	2954.26
547	1016.6	2964.09
550	1022.0	2973.90
553	1027.4	2983.70
556	1032.8	2993.50
559	1038.2	3003.28
562	1043.6	3013.05
565	1049.0	3022.82
568	1054.4	3032.57
571	1059.8	3042.31
574	1065.2	3052.04
577	1070.6	3061.76
580	1076.0	3071.47
583	1081.4	3081.17
586	1086.8	3090.86
589	1092.2	3100.54
592	1097.6	3110.21
595	1103.0	3119.87
598	1108.4	3129.51

