



Type D (B0/100=3970K)

**Temperature Sensor Specifications
(Models: SEN-AP005P, SEN-AP004P)**

T= 25 degC
 R= 49.12 k ohm
 (B Std.Value 3970 K
 from -10 degC
 to 300 degC
 Step 1 degC
 R Tolerance 1 %
 B Tolerance 2 %

TEMP. R Value
 1 0 162.21383
 2 100 3.300025
 B value 3969.9998

PRT Ver.5

Temp. (°C)	ResistanceValue			R Tolerance		Temp.Tolerance		
	Min.	Std.	Max.	Rmin.%	Rmax.%	Rmin.	Rmax.	%/deg
-11	278.4211	291.7088	305.6002	-4.5551	4.7621			
-10	263.7914	276.0630	288.8765	-4.4452	4.6415	0.8091	-0.8448	5.4943
-9	250.0198	261.3520	273.1706	-4.3360	4.5221	0.7945	-0.8285	5.4579
-8	237.0511	247.5148	258.4145	-4.2275	4.4037	0.7797	-0.8122	5.4218
-7	224.8339	234.4943	244.5453	-4.1197	4.2863	0.7649	-0.7958	5.3860
-6	213.3204	222.2378	231.5048	-4.0126	4.1699	0.7499	-0.7793	5.3507
-5	202.4660	210.6960	219.2386	-3.9061	4.0545	0.7348	-0.7627	5.3157
-4	192.2293	199.8232	207.6964	-3.8003	3.9401	0.7196	-0.7461	5.2810
-3	182.5716	189.5769	196.8313	-3.6952	3.8266	0.7043	-0.7293	5.2467
-2	173.4570	179.9174	186.5998	-3.5908	3.7141	0.6889	-0.7125	5.2127
-1	164.8518	170.8079	176.9614	-3.4870	3.6026	0.6733	-0.6956	5.1791
0	156.7248	162.2138	167.8783	-3.3838	3.4920	0.6560	-0.6770	5.1583
1	149.0093	154.0647	159.2756	-3.2813	3.3823	0.6387	-0.6584	5.1374
2	141.7203	146.3742	151.1659	-3.1795	3.2736	0.6230	-0.6414	5.1038
3	134.8318	139.1141	143.5180	-3.0783	3.1657	0.6071	-0.6243	5.0706
4	128.3195	132.2577	136.3031	-2.9777	3.0587	0.5911	-0.6072	5.0378
5	122.1609	125.7804	129.4943	-2.8777	2.9526	0.5749	-0.5899	5.0052
6	116.3346	119.6591	123.0663	-2.7783	2.8474	0.5587	-0.5726	4.9730
7	110.8210	113.8722	116.9958	-2.6795	2.7430	0.5423	-0.5552	4.9411
8	105.6014	108.3996	111.2609	-2.5814	2.6395	0.5258	-0.5376	4.9095
9	100.6586	103.2225	105.8411	-2.4838	2.5368	0.5092	-0.5200	4.8782
10	95.9764	98.3232	100.7174	-2.3869	2.4350	0.4924	-0.5024	4.8472
11	91.5395	93.6853	95.8719	-2.2905	2.3340	0.4756	-0.4846	4.8165
12	87.3338	89.2935	91.2881	-2.1947	2.2337	0.4586	-0.4667	4.7861
13	83.3460	85.1333	86.9503	-2.0995	2.1343	0.4414	-0.4488	4.7560
14	79.5635	81.1913	82.8440	-2.0048	2.0356	0.4242	-0.4307	4.7262
15	75.9748	77.4547	78.9556	-1.9107	1.9378	0.4068	-0.4126	4.6967
16	72.5687	73.9119	75.2724	-1.8172	1.8407	0.3893	-0.3944	4.6674
17	69.3351	70.5516	71.7823	-1.7243	1.7443	0.3717	-0.3761	4.6384
18	66.2642	67.3635	68.4742	-1.6318	1.6488	0.3540	-0.3577	4.6098
19	63.3471	64.3379	65.3376	-1.5400	1.5539	0.3361	-0.3392	4.5813
20	60.5751	61.4655	62.3628	-1.4487	1.4598	0.3182	-0.3206	4.5532
21	57.9402	58.7378	59.5404	-1.3579	1.3664	0.3001	-0.3020	4.5253
22	55.4351	56.1468	56.8620	-1.2676	1.2738	0.2818	-0.2832	4.4976
23	53.0525	53.6848	54.3193	-1.1779	1.1818	0.2635	-0.2644	4.4703
24	50.7858	51.3448	51.9047	-1.0887	1.0906	0.2450	-0.2454	4.4431
25	48.6288	49.1200	49.6112	-1.0000	1.0000	0.2264	-0.2264	4.4163
26	46.4927	47.0042	47.5165	-1.0881	1.0900	0.2479	-0.2483	4.3896
27	44.4626	44.9915	45.5221	-1.1755	1.1794	0.2694	-0.2703	4.3633
28	42.5325	43.0762	43.6225	-1.2623	1.2683	0.2910	-0.2924	4.3371
29	40.6970	41.2532	41.8129	-1.3484	1.3567	0.3128	-0.3147	4.3112
30	38.9510	39.5176	40.0885	-1.4339	1.4446	0.3346	-0.3371	4.2855
31	37.2896	37.8646	38.4447	-1.5187	1.5320	0.3565	-0.3596	4.2601
32	35.7083	36.2900	36.8775	-1.6029	1.6189	0.3785	-0.3823	4.2349
33	34.2029	34.7896	35.3829	-1.6865	1.7053	0.4006	-0.4051	4.2099
34	32.7692	33.3596	33.9571	-1.7695	1.7912	0.4228	-0.4280	4.1851
35	31.4036	31.9961	32.5966	-1.8519	1.8766	0.4451	-0.4511	4.1606

Temp. (°C)	ResistanceValue			R Tolerance		Temp.Tolerance		%/deg
	Min.	Std.	Max.	Rmin.%	Rmax.%	Rmin.	Rmax.	
36	30.1024	30.6960	31.2981	-1.9337	1.9616	0.4675	-0.4742	4.1363
37	28.8623	29.4557	30.0584	-2.0148	2.0461	0.4900	-0.4976	4.1122
38	27.6800	28.2724	28.8746	-2.0954	2.1301	0.5125	-0.5210	4.0883
39	26.5526	27.1431	27.7439	-2.1754	2.2136	0.5352	-0.5446	4.0646
40	25.4773	26.0650	26.6636	-2.2549	2.2966	0.5580	-0.5683	4.0411
41	24.4513	25.0356	25.6312	-2.3337	2.3792	0.5808	-0.5922	4.0179
42	23.4723	24.0524	24.6444	-2.4120	2.4614	0.6038	-0.6161	3.9948
43	22.5377	23.1131	23.7009	-2.4897	2.5431	0.6268	-0.6403	3.9719
44	21.6454	22.2156	22.7986	-2.5669	2.6243	0.6500	-0.6645	3.9493
45	20.7932	21.3578	21.9355	-2.6436	2.7051	0.6732	-0.6889	3.9268
46	19.9791	20.5376	21.1097	-2.7197	2.7854	0.6965	-0.7134	3.9045
47	19.2012	19.7534	20.3194	-2.7952	2.8653	0.7200	-0.7380	3.8824
48	18.4578	19.0032	19.5628	-2.8703	2.9448	0.7435	-0.7628	3.8605
49	17.7471	18.2856	18.8385	-2.9448	3.0238	0.7671	-0.7877	3.8388
50	17.0675	17.5988	18.1448	-3.0188	3.1024	0.7908	-0.8127	3.8173
51	16.4176	16.9415	17.4803	-3.0923	3.1806	0.8146	-0.8379	3.7960
52	15.7959	16.3122	16.8437	-3.1652	3.2584	0.8385	-0.8632	3.7748
53	15.2009	15.7096	16.2336	-3.2377	3.3357	0.8625	-0.8886	3.7538
54	14.6315	15.1324	15.6488	-3.3097	3.4127	0.8866	-0.9142	3.7330
55	14.0864	14.5794	15.0881	-3.3812	3.4892	0.9108	-0.9399	3.7124
56	13.5645	14.0495	14.5504	-3.4522	3.5653	0.9351	-0.9657	3.6919
57	13.0646	13.5416	14.0347	-3.5227	3.6410	0.9594	-0.9917	3.6716
58	12.5857	13.0548	13.5399	-3.5927	3.7163	0.9839	-1.0177	3.6515
59	12.1269	12.5879	13.0652	-3.6623	3.7912	1.0085	-1.0440	3.6315
60	11.6872	12.1402	12.6095	-3.7314	3.8657	1.0331	-1.0703	3.6117
61	11.2657	11.7107	12.1721	-3.8001	3.9398	1.0579	-1.0968	3.5921
62	10.8616	11.2986	11.7521	-3.8682	4.0135	1.0827	-1.1234	3.5726
63	10.4740	10.9031	11.3487	-3.9360	4.0868	1.1077	-1.1501	3.5533
64	10.1022	10.5235	10.9613	-4.0032	4.1598	1.1327	-1.1770	3.5342
65	9.7456	10.1591	10.5890	-4.0701	4.2323	1.1579	-1.2040	3.5152
66	9.4033	9.8091	10.2313	-4.1365	4.3045	1.1831	-1.2312	3.4963
67	9.0748	9.4729	9.8875	-4.2024	4.3763	1.2084	-1.2584	3.4776
68	8.7595	9.1500	9.5570	-4.2680	4.4478	1.2338	-1.2858	3.4591
69	8.4567	8.8397	9.2392	-4.3330	4.5189	1.2593	-1.3134	3.4407
70	8.1659	8.5415	8.9336	-4.3977	4.5896	1.2850	-1.3410	3.4225
71	7.8866	8.2549	8.6396	-4.4620	4.6599	1.3107	-1.3688	3.4044
72	7.6182	7.9793	8.3567	-4.5258	4.7299	1.3365	-1.3967	3.3864
73	7.3603	7.7143	8.0846	-4.5892	4.7995	1.3624	-1.4248	3.3686
74	7.1124	7.4594	7.8226	-4.6523	4.8688	1.3884	-1.4530	3.3509
75	6.8741	7.2143	7.5705	-4.7149	4.9377	1.4144	-1.4813	3.3334
76	6.6450	6.9784	7.3277	-4.7771	5.0063	1.4406	-1.5097	3.3160
77	6.4246	6.7513	7.0939	-4.8389	5.0745	1.4669	-1.5383	3.2987
78	6.2127	6.5328	6.8688	-4.9004	5.1424	1.4933	-1.5670	3.2816
79	6.0088	6.3224	6.6518	-4.9614	5.2099	1.5198	-1.5959	3.2646
80	5.8125	6.1199	6.4428	-5.0221	5.2771	1.5463	-1.6248	3.2477
81	5.6237	5.9248	6.2414	-5.0823	5.3439	1.5730	-1.6540	3.2310
82	5.4419	5.7369	6.0473	-5.1422	5.4105	1.5997	-1.6832	3.2144
83	5.2669	5.5559	5.8602	-5.2018	5.4767	1.6266	-1.7126	3.1979
84	5.0984	5.3815	5.6798	-5.2609	5.5425	1.6535	-1.7421	3.1816
85	4.9361	5.2134	5.5058	-5.3197	5.6080	1.6806	-1.7717	3.1654
86	4.7797	5.0514	5.3379	-5.3781	5.6733	1.7077	-1.8014	3.1493
87	4.6290	4.8951	5.1760	-5.4362	5.7381	1.7350	-1.8313	3.1333
88	4.4839	4.7445	5.0198	-5.4939	5.8027	1.7623	-1.8614	3.1175
89	4.3439	4.5993	4.8691	-5.5513	5.8670	1.7897	-1.8915	3.1017
90	4.2091	4.4591	4.7236	-5.6083	5.9309	1.8173	-1.9218	3.0861
91	4.0790	4.3240	4.5832	-5.6649	5.9945	1.8449	-1.9522	3.0706
92	3.9536	4.1935	4.4476	-5.7212	6.0578	1.8726	-1.9828	3.0552
93	3.8327	4.0677	4.3166	-5.7772	6.1208	1.9004	-2.0135	3.0400
94	3.7160	3.9462	4.1902	-5.8329	6.1835	1.9283	-2.0443	3.0248
95	3.6034	3.8289	4.0680	-5.8882	6.2459	1.9563	-2.0752	3.0098
96	3.4948	3.7156	3.9500	-5.9431	6.3080	1.9844	-2.1063	2.9949
97	3.3900	3.6063	3.8360	-5.9978	6.3698	2.0126	-2.1375	2.9800

Temp. (°C)	ResistanceValue			R Tolerance		Temp.Tolerance		%/deg
	Min.	Std.	Max.	Rmin.%	Rmax.%	Rmin.	Rmax.	
98	3.2888	3.5006	3.7258	-6.0521	6.4313	2.0409	-2.1688	2.9653
99	3.1911	3.3986	3.6193	-6.1061	6.4925	2.0693	-2.2003	2.9507
100	3.0968	3.3000	3.5163	-6.1597	6.5534	2.0978	-2.2319	2.9362
101	3.0057	3.2048	3.4167	-6.2131	6.6140	2.1264	-2.2636	2.9219
102	2.9177	3.1127	3.3205	-6.2661	6.6744	2.1551	-2.2955	2.9076
103	2.8327	3.0237	3.2273	-6.3189	6.7344	2.1839	-2.3275	2.8934
104	2.7505	2.9377	3.1373	-6.3713	6.7941	2.2128	-2.3596	2.8793
105	2.6712	2.8545	3.0501	-6.4234	6.8536	2.2417	-2.3919	2.8654
106	2.5944	2.7741	2.9658	-6.4752	6.9128	2.2708	-2.4243	2.8515
107	2.5203	2.6963	2.8842	-6.5267	6.9717	2.3000	-2.4568	2.8377
108	2.4486	2.6210	2.8053	-6.5779	7.0304	2.3292	-2.4894	2.8241
109	2.3793	2.5482	2.7288	-6.6288	7.0887	2.3586	-2.5222	2.8105
110	2.3122	2.4777	2.6548	-6.6794	7.1468	2.3881	-2.5551	2.7970
111	2.2474	2.4096	2.5832	-6.7298	7.2046	2.4176	-2.5882	2.7836
112	2.1847	2.3436	2.5138	-6.7798	7.2622	2.4473	-2.6214	2.7704
113	2.1240	2.2797	2.4466	-6.8296	7.3194	2.4770	-2.6547	2.7572
114	2.0653	2.2178	2.3814	-6.8790	7.3765	2.5069	-2.6881	2.7441
115	2.0084	2.1579	2.3184	-6.9282	7.4332	2.5368	-2.7217	2.7311
116	1.9534	2.0999	2.2572	-6.9771	7.4897	2.5669	-2.7554	2.7182
117	1.9002	2.0438	2.1980	-7.0258	7.5459	2.5970	-2.7893	2.7053
118	1.8486	1.9893	2.1406	-7.0741	7.6019	2.6272	-2.8232	2.6926
119	1.7987	1.9366	2.0849	-7.1222	7.6576	2.6576	-2.8573	2.6800
120	1.7503	1.8855	2.0310	-7.1700	7.7131	2.6880	-2.8916	2.6674
121	1.7035	1.8360	1.9786	-7.2176	7.7683	2.7185	-2.9260	2.6550
122	1.6581	1.7880	1.9279	-7.2649	7.8232	2.7492	-2.9605	2.6426
123	1.6142	1.7415	1.8787	-7.3119	7.8779	2.7799	-2.9951	2.6303
124	1.5716	1.6964	1.8309	-7.3587	7.9324	2.8107	-3.0299	2.6181
125	1.5303	1.6526	1.7846	-7.4052	7.9866	2.8416	-3.0648	2.6059
126	1.4902	1.6102	1.7397	-7.4514	8.0406	2.8727	-3.0998	2.5939
127	1.4515	1.5691	1.6961	-7.4974	8.0943	2.9038	-3.1350	2.5819
128	1.4138	1.5292	1.6538	-7.5432	8.1478	2.9350	-3.1703	2.5701
129	1.3774	1.4905	1.6127	-7.5887	8.2010	2.9663	-3.2057	2.5583
130	1.3420	1.4529	1.5728	-7.6339	8.2540	2.9977	-3.2412	2.5466
131	1.3077	1.4165	1.5341	-7.6789	8.3068	3.0293	-3.2769	2.5349
132	1.2744	1.3811	1.4965	-7.7237	8.3593	3.0609	-3.3128	2.5234
133	1.2421	1.3468	1.4600	-7.7682	8.4116	3.0926	-3.3487	2.5119
134	1.2108	1.3134	1.4246	-7.8125	8.4637	3.1244	-3.3848	2.5005
135	1.1804	1.2811	1.3902	-7.8565	8.5155	3.1563	-3.4210	2.4892
136	1.1509	1.2496	1.3567	-7.9003	8.5671	3.1883	-3.4574	2.4779
137	1.1223	1.2191	1.3242	-7.9439	8.6185	3.2204	-3.4939	2.4667
138	1.0945	1.1895	1.2926	-7.9872	8.6697	3.2526	-3.5305	2.4556
139	1.0675	1.1607	1.2619	-8.0303	8.7206	3.2849	-3.5673	2.4446
140	1.0413	1.1327	1.2321	-8.0732	8.7713	3.3173	-3.6042	2.4336
141	1.0158	1.1056	1.2031	-8.1158	8.8218	3.3498	-3.6412	2.4228
142	0.9911	1.0791	1.1749	-8.1582	8.8720	3.3824	-3.6784	2.4120
143	0.9671	1.0535	1.1475	-8.2004	8.9221	3.4151	-3.7157	2.4012
144	0.9438	1.0285	1.1208	-8.2424	8.9719	3.4479	-3.7531	2.3905
145	0.9211	1.0043	1.0949	-8.2842	9.0215	3.4808	-3.7906	2.3800
146	0.8991	0.9807	1.0697	-8.3257	9.0709	3.5138	-3.8283	2.3694
147	0.8777	0.9578	1.0452	-8.3670	9.1201	3.5469	-3.8662	2.3590
148	0.8569	0.9355	1.0213	-8.4081	9.1691	3.5801	-3.9041	2.3486
149	0.8367	0.9139	0.9981	-8.4490	9.2179	3.6134	-3.9422	2.3382
150	0.8170	0.8928	0.9755	-8.4897	9.2664	3.6468	-3.9804	2.3280
151	0.7979	0.8723	0.9535	-8.5302	9.3148	3.6803	-4.0188	2.3178
152	0.7793	0.8524	0.9322	-8.5705	9.3629	3.7139	-4.0573	2.3077
153	0.7612	0.8330	0.9113	-8.6105	9.4108	3.7476	-4.0959	2.2976
154	0.7437	0.8141	0.8911	-8.6504	9.4586	3.7814	-4.1347	2.2876
155	0.7266	0.7957	0.8713	-8.6900	9.5061	3.8153	-4.1736	2.2777
156	0.7099	0.7778	0.8521	-8.7295	9.5534	3.8493	-4.2126	2.2678
157	0.6937	0.7604	0.8334	-8.7687	9.6006	3.8834	-4.2518	2.2580
158	0.6780	0.7435	0.8152	-8.8078	9.6475	3.9176	-4.2911	2.2483
159	0.6627	0.7270	0.7975	-8.8466	9.6942	3.9519	-4.3305	2.2386

Temp. (°C)	ResistanceValue			R Tolerance		Temp.Tolerance		%/deg
	Min.	Std.	Max.	Rmin.%	Rmax.%	Rmin.	Rmax.	
160	0.6478	0.7109	0.7802	-8.8853	9.7408	3.9863	-4.3701	2.2290
161	0.6332	0.6953	0.7633	-8.9238	9.7871	4.0208	-4.4098	2.2194
162	0.6191	0.6801	0.7469	-8.9620	9.8333	4.0554	-4.4496	2.2099
163	0.6054	0.6652	0.7309	-9.0001	9.8792	4.0901	-4.4896	2.2005
164	0.5920	0.6508	0.7154	-9.0380	9.9250	4.1249	-4.5297	2.1911
165	0.5789	0.6367	0.7002	-9.0757	9.9706	4.1598	-4.5700	2.1818
166	0.5662	0.6230	0.6854	-9.1132	10.0160	4.1948	-4.6103	2.1725
167	0.5538	0.6096	0.6710	-9.1505	10.0612	4.2299	-4.6508	2.1633
168	0.5418	0.5966	0.6569	-9.1877	10.1062	4.2651	-4.6915	2.1542
169	0.5301	0.5839	0.6432	-9.2246	10.1510	4.3004	-4.7323	2.1451
170	0.5186	0.5716	0.6298	-9.2614	10.1957	4.3358	-4.7732	2.1360
171	0.5075	0.5595	0.6168	-9.2980	10.2401	4.3713	-4.8143	2.1270
172	0.4966	0.5478	0.6041	-9.3344	10.2844	4.4069	-4.8554	2.1181
173	0.4860	0.5363	0.5917	-9.3707	10.3285	4.4427	-4.8968	2.1092
174	0.4757	0.5251	0.5796	-9.4067	10.3724	4.4785	-4.9382	2.1004
175	0.4657	0.5142	0.5678	-9.4426	10.4162	4.5144	-4.9798	2.0917
176	0.4559	0.5036	0.5563	-9.4783	10.4597	4.5504	-5.0216	2.0830
177	0.4463	0.4933	0.5451	-9.5139	10.5031	4.5865	-5.0634	2.0743
178	0.4370	0.4831	0.5341	-9.5492	10.5463	4.6227	-5.1054	2.0657
179	0.4279	0.4733	0.5234	-9.5844	10.5894	4.6591	-5.1476	2.0572
180	0.4191	0.4637	0.5130	-9.6195	10.6322	4.6955	-5.1899	2.0487
181	0.4104	0.4543	0.5028	-9.6543	10.6749	4.7320	-5.2323	2.0402
182	0.4020	0.4451	0.4928	-9.6890	10.7174	4.7687	-5.2748	2.0318
183	0.3938	0.4362	0.4831	-9.7236	10.7598	4.8054	-5.3175	2.0235
184	0.3858	0.4275	0.4737	-9.7579	10.8020	4.8422	-5.3603	2.0152
185	0.3779	0.4190	0.4644	-9.7921	10.8440	4.8792	-5.4033	2.0069
186	0.3703	0.4107	0.4554	-9.8262	10.8858	4.9162	-5.4464	1.9987
187	0.3629	0.4025	0.4465	-9.8601	10.9275	4.9534	-5.4896	1.9906
188	0.3556	0.3946	0.4379	-9.8938	10.9690	4.9906	-5.5330	1.9825
189	0.3485	0.3869	0.4295	-9.9273	11.0104	5.0280	-5.5765	1.9744
190	0.3416	0.3794	0.4213	-9.9607	11.0516	5.0654	-5.6201	1.9664
191	0.3348	0.3720	0.4132	-9.9940	11.0926	5.1030	-5.6639	1.9585
192	0.3282	0.3648	0.4054	-10.0271	11.1335	5.1406	-5.7078	1.9506
193	0.3218	0.3577	0.3977	-10.0600	11.1742	5.1784	-5.7519	1.9427
194	0.3155	0.3509	0.3902	-10.0928	11.2147	5.2163	-5.7961	1.9349
195	0.3093	0.3442	0.3829	-10.1255	11.2551	5.2542	-5.8404	1.9271
196	0.3033	0.3376	0.3757	-10.1579	11.2953	5.2923	-5.8849	1.9194
197	0.2975	0.3312	0.3687	-10.1903	11.3354	5.3305	-5.9295	1.9117
198	0.2917	0.3249	0.3619	-10.2225	11.3753	5.3688	-5.9742	1.9041
199	0.2861	0.3188	0.3552	-10.2545	11.4151	5.4072	-6.0191	1.8965
200	0.2807	0.3129	0.3487	-10.2864	11.4547	5.4457	-6.0641	1.8889
201	0.2753	0.3070	0.3423	-10.3181	11.4941	5.4843	-6.1093	1.8814
202	0.2701	0.3013	0.3360	-10.3497	11.5334	5.5230	-6.1546	1.8740
203	0.2650	0.2957	0.3299	-10.3812	11.5726	5.5618	-6.2000	1.8665
204	0.2600	0.2903	0.3240	-10.4125	11.6116	5.6007	-6.2456	1.8592
205	0.2552	0.2849	0.3181	-10.4437	11.6504	5.6397	-6.2913	1.8518
206	0.2504	0.2797	0.3124	-10.4747	11.6891	5.6788	-6.3372	1.8445
207	0.2458	0.2746	0.3068	-10.5056	11.7277	5.7180	-6.3832	1.8373
208	0.2412	0.2696	0.3013	-10.5364	11.7661	5.7574	-6.4293	1.8301
209	0.2368	0.2647	0.2960	-10.5670	11.8043	5.7968	-6.4756	1.8229
210	0.2324	0.2600	0.2907	-10.5975	11.8425	5.8363	-6.5220	1.8158
211	0.2282	0.2553	0.2856	-10.6278	11.8804	5.8760	-6.5685	1.8087
212	0.2240	0.2507	0.2806	-10.6580	11.9182	5.9157	-6.6152	1.8016
213	0.2199	0.2463	0.2757	-10.6881	11.9559	5.9556	-6.6620	1.7946
214	0.2160	0.2419	0.2709	-10.7180	11.9935	5.9955	-6.7090	1.7877
215	0.2121	0.2376	0.2662	-10.7478	12.0309	6.0356	-6.7561	1.7807
216	0.2083	0.2334	0.2616	-10.7775	12.0681	6.0758	-6.8034	1.7738
217	0.2045	0.2293	0.2571	-10.8070	12.1053	6.1160	-6.8507	1.7670
218	0.2009	0.2253	0.2527	-10.8364	12.1422	6.1564	-6.8983	1.7602
219	0.1973	0.2214	0.2484	-10.8657	12.1791	6.1969	-6.9459	1.7534
220	0.1939	0.2176	0.2441	-10.8949	12.2158	6.2375	-6.9937	1.7467
221	0.1904	0.2138	0.2400	-10.9239	12.2523	6.2782	-7.0417	1.7400

Temp. (°C)	ResistanceValue			R Tolerance		Temp.Tolerance		%/deg
	Min.	Std.	Max.	Rmin.%	Rmax.%	Rmin.	Rmax.	
222	0.1871	0.2101	0.2359	-10.9528	12.2888	6.3190	-7.0898	1.7333
223	0.1838	0.2065	0.2320	-10.9816	12.3251	6.3599	-7.1380	1.7267
224	0.1806	0.2030	0.2281	-11.0102	12.3612	6.4010	-7.1864	1.7201
225	0.1775	0.1995	0.2243	-11.0388	12.3973	6.4421	-7.2349	1.7135
226	0.1744	0.1961	0.2205	-11.0672	12.4332	6.4833	-7.2835	1.7070
227	0.1714	0.1928	0.2169	-11.0954	12.4689	6.5247	-7.3323	1.7005
228	0.1685	0.1896	0.2133	-11.1236	12.5046	6.5661	-7.3813	1.6941
229	0.1656	0.1864	0.2098	-11.1516	12.5401	6.6077	-7.4303	1.6877
230	0.1628	0.1833	0.2063	-11.1796	12.5754	6.6493	-7.4796	1.6813
231	0.1600	0.1802	0.2030	-11.2074	12.6107	6.6911	-7.5289	1.6750
232	0.1573	0.1773	0.1997	-11.2350	12.6458	6.7330	-7.5784	1.6687
233	0.1547	0.1743	0.1964	-11.2626	12.6808	6.7750	-7.6281	1.6624
234	0.1521	0.1715	0.1933	-11.2900	12.7156	6.8170	-7.6778	1.6561
235	0.1496	0.1686	0.1901	-11.3174	12.7504	6.8592	-7.7278	1.6499
236	0.1471	0.1659	0.1871	-11.3446	12.7850	6.9016	-7.7778	1.6438
237	0.1446	0.1632	0.1841	-11.3717	12.8195	6.9440	-7.8280	1.6376
238	0.1422	0.1605	0.1812	-11.3987	12.8538	6.9865	-7.8784	1.6315
239	0.1399	0.1580	0.1783	-11.4255	12.8881	7.0291	-7.9289	1.6255
240	0.1376	0.1554	0.1755	-11.4523	12.9222	7.0719	-7.9795	1.6194
241	0.1354	0.1529	0.1727	-11.4789	12.9562	7.1147	-8.0303	1.6134
242	0.1332	0.1505	0.1700	-11.5055	12.9900	7.1577	-8.0812	1.6074
243	0.1310	0.1481	0.1674	-11.5319	13.0238	7.2007	-8.1323	1.6015
244	0.1289	0.1457	0.1648	-11.5582	13.0574	7.2439	-8.1835	1.5956
245	0.1268	0.1434	0.1622	-11.5844	13.0909	7.2872	-8.2349	1.5897
246	0.1248	0.1412	0.1597	-11.6105	13.1243	7.3306	-8.2864	1.5838
247	0.1228	0.1390	0.1572	-11.6365	13.1576	7.3741	-8.3380	1.5780
248	0.1208	0.1368	0.1548	-11.6624	13.1907	7.4177	-8.3898	1.5722
249	0.1189	0.1347	0.1525	-11.6881	13.2237	7.4614	-8.4417	1.5665
250	0.1170	0.1326	0.1501	-11.7138	13.2567	7.5053	-8.4938	1.5607
251	0.1152	0.1305	0.1479	-11.7394	13.2895	7.5492	-8.5460	1.5550
252	0.1134	0.1285	0.1456	-11.7648	13.3221	7.5933	-8.5984	1.5494
253	0.1116	0.1265	0.1434	-11.7902	13.3547	7.6374	-8.6509	1.5437
254	0.1099	0.1246	0.1413	-11.8154	13.3872	7.6817	-8.7036	1.5381
255	0.1082	0.1227	0.1392	-11.8406	13.4195	7.7261	-8.7564	1.5325
256	0.1065	0.1208	0.1371	-11.8656	13.4517	7.7706	-8.8093	1.5270
257	0.1049	0.1190	0.1351	-11.8905	13.4838	7.8152	-8.8624	1.5215
258	0.1032	0.1172	0.1331	-11.9154	13.5158	7.8599	-8.9156	1.5160
259	0.1017	0.1155	0.1311	-11.9401	13.5477	7.9047	-8.9690	1.5105
260	0.1001	0.1137	0.1292	-11.9648	13.5795	7.9497	-9.0225	1.5051
261	0.0986	0.1120	0.1273	-11.9893	13.6112	7.9947	-9.0762	1.4997
262	0.0971	0.1104	0.1254	-12.0137	13.6428	8.0399	-9.1300	1.4943
263	0.0956	0.1087	0.1236	-12.0381	13.6742	8.0851	-9.1840	1.4889
264	0.0942	0.1071	0.1218	-12.0623	13.7056	8.1305	-9.2381	1.4836
265	0.0928	0.1056	0.1201	-12.0865	13.7368	8.1760	-9.2923	1.4783
266	0.0914	0.1040	0.1183	-12.1105	13.7679	8.2216	-9.3467	1.4730
267	0.0901	0.1025	0.1166	-12.1345	13.7989	8.2673	-9.4013	1.4678
268	0.0887	0.1010	0.1150	-12.1584	13.8299	8.3131	-9.4560	1.4625
269	0.0874	0.0995	0.1133	-12.1821	13.8607	8.3591	-9.5108	1.4574
270	0.0861	0.0981	0.1117	-12.2058	13.8914	8.4051	-9.5658	1.4522
271	0.0849	0.0967	0.1101	-12.2294	13.9220	8.4513	-9.6210	1.4470
272	0.0836	0.0953	0.1086	-12.2529	13.9525	8.4976	-9.6762	1.4419
273	0.0824	0.0939	0.1071	-12.2763	13.9829	8.5439	-9.7317	1.4368
274	0.0812	0.0926	0.1056	-12.2996	14.0132	8.5904	-9.7873	1.4318
275	0.0800	0.0913	0.1041	-12.3228	14.0433	8.6371	-9.8430	1.4267
276	0.0789	0.0900	0.1027	-12.3459	14.0734	8.6838	-9.8989	1.4217
277	0.0778	0.0887	0.1012	-12.3690	14.1034	8.7306	-9.9549	1.4167
278	0.0766	0.0875	0.0998	-12.3919	14.1333	8.7776	-10.0111	1.4118
279	0.0755	0.0863	0.0985	-12.4148	14.1631	8.8246	-10.0674	1.4068
280	0.0745	0.0851	0.0971	-12.4375	14.1928	8.8718	-10.1238	1.4019
281	0.0734	0.0839	0.0958	-12.4602	14.2223	8.9191	-10.1805	1.3970
282	0.0724	0.0827	0.0945	-12.4828	14.2518	8.9665	-10.2372	1.3922
283	0.0714	0.0816	0.0932	-12.5053	14.2812	9.0140	-10.2941	1.3873

Temp. (°C)	ResistanceValue			R Tolerance		Temp.Tolerance		
	Min.	Std.	Max.	Rmin.%	Rmax.%	Rmin.	Rmax.	%/deg
284	0.0704	0.0804	0.0920	-12.5277	14.3105	9.0617	-10.3512	1.3825
285	0.0694	0.0793	0.0907	-12.5501	14.3397	9.1094	-10.4084	1.3777
286	0.0684	0.0783	0.0895	-12.5723	14.3688	9.1573	-10.4658	1.3729
287	0.0675	0.0772	0.0883	-12.5945	14.3978	9.2053	-10.5233	1.3682
288	0.0665	0.0761	0.0871	-12.6165	14.4267	9.2534	-10.5810	1.3635
289	0.0656	0.0751	0.0860	-12.6385	14.4555	9.3016	-10.6388	1.3588
290	0.0647	0.0741	0.0848	-12.6604	14.4842	9.3499	-10.6968	1.3541
291	0.0638	0.0731	0.0837	-12.6823	14.5128	9.3983	-10.7549	1.3494
292	0.0630	0.0721	0.0826	-12.7040	14.5413	9.4469	-10.8131	1.3448
293	0.0621	0.0712	0.0815	-12.7257	14.5698	9.4955	-10.8715	1.3402
294	0.0613	0.0702	0.0805	-12.7472	14.5981	9.5443	-10.9301	1.3356
295	0.0604	0.0693	0.0794	-12.7687	14.6263	9.5932	-10.9888	1.3310
296	0.0596	0.0684	0.0784	-12.7902	14.6545	9.6422	-11.0477	1.3265
297	0.0588	0.0675	0.0774	-12.8115	14.6825	9.6914	-11.1067	1.3220
298	0.0581	0.0666	0.0764	-12.8327	14.7105	9.7406	-11.1659	1.3174
299	0.0573	0.0657	0.0754	-12.8539	14.7384	9.7900	-11.2252	1.3130
300	0.0565	0.0649	0.0744	-12.8750	14.7662	9.8394	-11.2847	1.3085