



Thermistor Resistance vs Temperature Curves

Reference Temperature		A/1.8K Series	A/3K Series	A/AN (Type III)	A/AN-BC Series	A/CP (Type II)	A/CSI Series	A/10K-E1 Series	A/10KS Series	A/20K Series	A/100KS Series
Temp °C	Temp °F	Resistance (Ohms)	Resistance (Ohms)	Resistance (Ohms)	Resistance (Ohms)	Resistance (Ohms)	Resistance (Ohms)	Resistance (Ohms)	Resistance (Ohms)	Resistance (Ohms)	Resistance (Ohms)
-40	-40	39,708	100,701	239,831	10,518	335,671	337,200	188,173	338,387	813,440	3,369,000
-35	-31	30,042	72,658	179,280	10,364	242,195	243,180	144,170	243,610	578,180	2,429,000
-30	-22	22,644	53,005	135,233	10,173	176,683	177,304	111,300	117,403	415,480	1,771,000
-25	-13	17,298	39,073	102,890	9,938	130,243	130,632	86,559	130,603	301,700	1,305,000
-20	-4	13,360	29,092	78,930	9,655	96,974	97,214	67,800	97,146	221,300	971,100
-15	5	10,399	21,868	61,030	9,320	72,895	73,040	53,474	72,971	163,876	729,700
-10	14	8,149	16,589	47,549	8,933	55,298	55,383	42,458	55,383	122,474	553,400
-5	23	6,444	12,694.4	37,316	8,496	42,314.6	42,363.7	33,929	42,322	92,338	423,400
0	32	5,126	9,795.2	29,490	8,012	32,650.8	32,677.7	27,283.5	32,650	70,204	326,600
5	41	4,108	7,618.7	23,462	7,489	25,395.5	25,409.5	22,071.9	25,392	53,808	254,000
10	50	3,308	5,971.1	18,787	6,938	19,903.5	19,910.0	17,960.0	19,910	41,562	199,100
15	59	2,686	4,714.2	15,136	6,370	15,714.0	15,716.8	14,696.4	15,711	32,340	157,200
20	68	2,192	3,748.1	12,268	5,800	12,493.7	12,494.3	12,091.3	12,492	25,346	124,900
25	77	1,800	3,000	10,000	5,238	10,000	10,000	10,000	10,000	20,000	100,000
30	86	1,487	2,416.8	8,197	4,697	8,056.0	8,055.7	8,312.5	8,056.6	15,886	80,560
35	95	1,235	1,959.0	6,754	4,185	6,530.1	6,529.9	6,943.4	6,531.1	12,698	65,300
40	104	1,031	1,597.5	5,594	3,708	5,324.9	5,324.9	5,827.2	5,326.0	10,212	60,140
45	113	864.7	1,310.1	4,656	3,271	4,366.9	4,367.2	4,912.8	4,368.0	8,260	53,250
50	122	728.3	1,080.3	3,893	2,875	3,601.0	3,601.6	4,160.0	3,602.0	6,720	43,670
55	131	616.9	895.52	3,271	2,521.3	2,985.1	2,985.9	3,537.5	2,985.9	5,496	36,010
60	140	524.5	746.12	2,760	2,206.4	2,487.1	2,488.1	3,020.5	2,487.6	4,519	29,850
65	149	448.2	624.69	2,339	1,928.9	2,082.3	2,083.5	2,589.3	2,082.6	3,734	24,870
70	158	384.7	525.49	1,990	1,685.1	1,751.6	1,752.9	2,228.1	1,751.7	3,100	20,820
75	167	331.4	444.04	1,700	1,472.4	1,480.1	1,481.4	1,924.4	1,480.0	2,586	17,520
80	176	286.6	376.85	1,458	1,287.4	1,256.2	1,257.5	1,668.1	1,255.8	2,167	14,800
85	185	248.8	321.17	1,255	1,126.5	1,070.6	1,071.9	1,450.8	1,070.0	1,824	12,560
90	194	216.7	274.83	1,084	986.76	916.11	917.40	1,266.10	915.40	1,559	10,710
95	203	189.5	236.10	939.6	865.66	786.99	788.23	1,108.45	788.23	1,309	9,161
100	212	166.1	203.59	817.2	760.69	678.63	679.80	973.46	677.65	1,115	7,870
105	221	146.3	176.19	713.0	669.60	587.31	588.42	857.50	586.23	953.5	6,786
110	230	129.2	153.02	624.1	590.59	510.06	511.10	757.55	508.91	818.4	5,873
115	239	114.5	133.34	547.9	521.90	444.48	445.44	671.14	445.44	705.0	5,100
120	248	101.7	116.578	482.5	462.23	388.59	389.49	596.21	387.34	609.4	4,444
125	257	90.7	102.246	426.0	410.11	340.82	341.63	531.06	339.52	528.5	3,885
130	266	81.2	89.946	377.2	364.69	299.82	300.57	474.24	298.51	459.8	3,408
135	275	72.9	79.363	334.9	325.01	264.54	265.23	424.55	263.22	401.3	2,997
140	284	65.9	70.225	298.1	290.23	234.08	234.70	380.98	232.76	351.3	2,645
145	293	59.6	62.309	266.0	259.72	207.70	208.26	342.68	206.38	308.4	2,340
150	302	54.2	55.436	238.0	232.96	184.79	185.29	308.93	183.48	271.5	2,076

Note*: All NTC thermistors are specified at 25°C (77°F)