

RESISTANCE VALUES FOR  
10K THERMISTOR PROBE  
(BetaTherm U.S. Sensor)

TEMP.		U.S.		BETA		TEMP.		U.S.		BETA		TEMP.		U.S.		BETA	
°C	°F	OHMS	OHMS	°C	°F	OHMS	OHMS	°C	°F	OHMS	OHMS	°C	°F	OHMS	OHMS	°C	°F
-55	-67	963,800	959,789	0	32	32,850	32,851	55	131	2,986	2,985	110	230	510	510		
-54	-65.2	895,300	891,689	1	33.8	31,030	31,030	56	132.8	2,878	2,877	111	231.8	496	496		
-53	-63.4	832,100	828,865	2	35.6	29,500	29,500	57	134.6	2,774	2,773	112	233.6	483	483		
-52	-61.6	776,800	770,880	3	37.4	28,050	28,054	58	136.4	2,674	2,674	113	235.4	470	470		
-51	-59.8	719,900	717,310	4	39.2	26,690	26,688	59	138.2	2,579	2,579	114	237.2	457	457		
-50	-58	670,200	667,828	5	41	25,400	25,396	60	140	2,488	2,487	115	239	445	445		
-49	-56.2	624,200	622,055	6	42.8	24,170	24,173	61	141.8	2,400	2,399	116	240.8	433	433		
-48	-54.4	581,600	579,718	7	44.6	23,020	23,016	62	143.6	2,316	2,315	117	242.6	422	421		
-47	-52.6	542,200	540,530	8	46.4	21,920	21,922	63	145.4	2,235	2,235	118	244.4	411	410		
-46	-50.8	505,800	504,230	9	48.2	20,890	20,885	64	147.2	2,157	2,157	119	246.2	400	399		
-45	-49	472,000	470,609	10	50	19,900	19,904	65	149	2,083	2,082	120	248	389	389		
-44	-47.2	440,700	439,415	11	51.8	18,970	18,974	66	150.8	2,011	2,011	121	249.8	379	378		
-43	-45.4	411,600	410,532	12	53.6	18,090	18,093	67	152.6	1,942	1,942	122	251.6	370	309		
-42	-43.6	384,700	383,712	13	55.4	17,260	17,257	68	154.4	1,876	1,876	123	253.4	360	359		
-41	-41.8	358,700	358,806	14	57.2	16,470	16,465	69	156.2	1,813	1,813	124	255.2	351	350		
-40	-40	336,500	335,671	15	59	15,710	15,714	70	158	1,752	1,752	125	257	342	341		
-39	-38.2	314,900	314,179	16	60.8	15,000	15,001	71	159.8	1,693	1,693	126	258.8	333	332		
-38	-36.4	294,900	294,193	17	62.6	14,330	14,325	72	161.6	1,637	1,637	127	260.6	325	324		
-37	-34.6	276,200	275,605	18	64.4	13,680	13,683	73	163.4	1,583	1,582	128	262.4	317	316		
-36	-32.8	258,800	258,307	19	66.2	13,070	13,053	74	165.2	1,531	1,530	129	264.2	309	308		
-35	-31	242,700	242,195	20	68	12,490	12,494	75	167	1,480	1,480	130	266	301	300		
-34	-29.2	227,600	227,196	21	69.8	11,940	11,943	76	168.8	1,432	1,432	131	267.8	294	292		
-33	-27.4	213,600	213,219	22	71.6	11,420	11,420	77	170.6	1,386	1,385	132	269.6	286	285		
-32	-25.6	200,500	200,181	23	73.4	10,920	10,923	78	172.4	1,341	1,341	133	271.4	279	278		
-31	-23.8	188,300	188,025	24	75.2	10,450	10,450	79	174.2	1,298	1,298	134	273.2	273	272		
-30	-22	177,000	176,683	25	77	10,000	10,000	80	176	1,256	1,256	135	275	266	265		
-29	-20.2	166,400	166,091	26	78.8	9,573	9,572	81	177.8	1,216	1,216	136	276.8	259	258		
-28	-18.4	156,400	156,199	27	80.6	9,166	9,165	82	179.6	1,178	1,178	137	278.6	253	252		
-27	-16.6	147,200	146,959	28	82.4	8,778	8,777	83	181.4	1,141	1,141	138	280.4	247	246		
-26	-14.8	138,500	138,322	29	84.2	8,409	8,408	84	183.2	1,105	1,105	139	282.2	241	240		
-25	-13	130,400	130,243	30	86	8,057	8,056	85	185	1,071	1,071	140	284	235	231		
-24	-11.2	122,800	122,687	31	87.8	7,722	7,721	86	186.8	1,038	1,037	141	285.8	230	229		
-23	-9.4	115,800	115,613	32	89.6	7,402	7,402	87	188.6	1,006	1,005	142	287.6	224	223		
-22	-7.6	109,100	108,991	33	91.4	7,098	7,097	88	190.4	975	975	143	289.4	219	218		
-21	-5.8	102,900	102,787	34	93.2	6,808	6,807	89	192.2	945	945	144	291.2	214	213		
-20	-4	97,080	96,974	35	95	6,531	6,530	90	194	916	916	145	293	209	208		
-19	-2.2	91,620	91,525	36	96.8	6,267	6,266	91	195.8	889	888	146	294.8	204	203		
-18	-0.4	86,500	86,415	37	98.6	6,015	6,014	92	197.6	862	862	147	296.6	200	198		
-17	1.4	81,700	81,621	38	100.4	5,774	5,774	93	199.4	836	836	148	298.4	195	194		
-16	3.2	77,190	77,121	39	102.2	5,545	5,544	94	201.2	811	811	149	300.2	190	189		
-15	5	72,960	72,895	40	104	5,326	5,325	95	203	787	787	150	302	186	185		
-14	6.8	68,980	68,927	41	105.8	5,116	5,116	96	204.8	764	764						
-13	8.6	65,250	65,198	42	107.6	4,916	4,916	97	206.6	741	741						
-12	10.4	61,740	61,693	43	109.4	4,725	4,724	98	208.4	720	720						
-11	12.2	58,440	58,397	44	111.2	4,542	4,542	99	210.2	699	699						
-10	14	55,330	55,298	45	113	4,368	4,367	100	212	679	679						
-9	15.8	52,410	52,380	46	114.8	4,201	4,200	101	213.8	659	659						
-8	17.6	49,660	49,633	47	116.6	4,041	4,040	102	215.6	640	640						
-7	19.4	47,070	47,047	48	118.4	3,888	3,887	103	217.4	622	622						
-6	21.2	44,630	44,610	49	120.2	3,742	3,744	104	219.2	604	604						
-5	23	42,330	42,315	50	122	3,602	3,601	105	221	587	587						
-4	24.8	40,160	40,150	51	123.8	3,468	3,467	106	222.8	571	571						
-3	26.6	38,120	38,109	52	125.6	3,339	3,339	107	224.6	555	555						
-2	28.4	36,190	36,183	53	127.4	3,216	3,216	108	226.4	539	539						
-1	30.2	34,370	34,366	54	129.2	3,099	3,098	109	228.2	525	525						