

Appendix M: RTD Temperature vs. Resistance Table

RTD Temperature vs. Resistance Table For American Curve, Alpha = .00392 1° Celsius Increments																	
°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms
-100	59.57	-38	84.80	24	109.51	86	133.75	148	157.53	210	180.86	272	203.74	334	226.17	396	248.16
-99	59.98	-37	85.20	25	109.90	87	134.14	149	157.91	211	181.23	273	204.11	335	226.53	397	248.51
-98	60.39	-36	85.60	26	110.30	88	134.52	150	158.29	212	181.61	274	204.47	336	226.89	398	248.86
-97	60.80	-35	86.01	27	110.69	89	134.91	151	158.67	213	181.98	275	204.84	337	227.25	399	249.21
-96	61.21	-34	86.41	28	111.09	90	135.30	152	159.05	214	182.35	276	205.20	338	227.61	400	249.56
-95	61.63	-33	86.81	29	111.48	91	135.68	153	159.43	215	182.72	277	205.57	339	227.96	401	249.91
-94	62.04	-32	87.21	30	111.88	92	136.07	154	159.81	216	183.09	278	205.93	340	228.32	402	250.26
-93	62.45	-31	87.61	31	112.27	93	136.46	155	160.19	217	183.47	279	206.30	341	228.68	403	250.61
-92	62.86	-30	88.01	32	112.66	94	136.84	156	160.57	218	183.84	280	206.66	342	229.04	404	250.96
-91	63.27	-29	88.42	33	113.06	95	137.23	157	160.95	219	184.21	281	207.02	343	229.39	405	251.31
-90	63.68	-28	88.82	34	113.45	96	137.62	158	161.33	220	184.58	282	207.39	344	229.75	406	251.66
-89	64.09	-27	89.22	35	113.84	97	138.00	159	161.70	221	184.95	283	207.75	345	230.11	407	252.01
-88	64.50	-26	89.62	36	114.24	98	138.39	160	162.08	222	185.32	284	208.12	346	230.46	408	252.36
-87	64.91	-25	90.02	37	114.63	99	138.77	161	162.46	223	185.70	285	208.48	347	230.82	409	252.71
-86	65.32	-24	90.42	38	115.02	100	139.16	162	162.84	224	186.07	286	208.85	348	231.18	410	253.06
-85	65.73	-23	90.82	39	115.42	101	139.55	163	163.22	225	186.44	287	209.21	349	231.53	411	253.41
-84	66.14	-22	91.22	40	115.81	102	139.93	164	163.60	226	186.81	288	209.57	350	231.89	412	253.76
-83	66.55	-21	91.62	41	116.20	103	140.32	165	163.97	227	187.18	289	209.94	351	232.25	413	254.11
-82	66.96	-20	92.02	42	116.59	104	140.70	166	164.35	228	187.55	290	210.30	352	232.60	414	254.46
-81	67.36	-19	92.42	43	116.99	105	141.09	167	164.73	229	187.92	291	210.66	353	232.96	415	254.80
-80	67.77	-18	92.82	44	117.38	106	141.47	168	165.11	230	188.29	292	211.03	354	233.31	416	255.15
-79	68.18	-17	93.22	45	117.77	107	141.86	169	165.48	231	188.66	293	211.39	355	233.67	417	255.50
-78	68.59	-16	93.62	46	118.16	108	142.24	170	165.86	232	189.03	294	211.75	356	234.03	418	255.85
-77	69.00	-15	94.02	47	118.56	109	142.63	171	166.24	233	189.40	295	212.11	357	234.38	419	256.20
-76	69.41	-14	94.42	48	118.95	110	143.01	172	166.62	234	189.77	296	212.48	358	234.74	420	256.55
-75	69.81	-13	94.82	49	119.34	111	143.39	173	166.99	235	190.14	297	212.84	359	235.09	421	256.89
-74	70.22	-12	95.22	50	119.73	112	143.78	174	167.37	236	190.51	298	213.20	360	235.45	422	257.24
-73	70.63	-11	95.62	51	120.12	113	144.16	175	167.75	237	190.88	299	213.56	361	235.80	423	257.59
-72	71.04	-10	96.02	52	120.51	114	144.55	176	168.12	238	191.25	300	213.93	362	236.16	424	257.94
-71	71.44	-9	96.42	53	120.91	115	144.93	177	168.50	239	191.62	301	214.29	363	236.51	425	258.29
-70	71.85	-8	96.81	54	121.30	116	145.31	178	168.88	240	191.99	302	214.65	364	236.87	426	258.63
-69	72.26	-7	97.21	55	121.69	117	145.70	179	169.25	241	192.36	303	215.01	365	237.22	427	258.98
-68	72.66	-6	97.61	56	122.08	118	146.08	180	169.63	242	192.73	304	215.37	366	237.58	428	259.33
-67	73.07	-5	98.01	57	122.47	119	146.47	181	170.00	243	193.09	305	215.74	367	237.93	429	259.67
-66	73.48	-4	98.41	58	122.86	120	146.85	182	170.38	244	193.46	306	216.10	368	238.28	430	260.02
-65	73.88	-3	98.81	59	123.25	121	147.23	183	170.76	245	193.83	307	216.46	369	238.64	431	260.37
-64	74.29	-2	99.20	60	123.64	122	147.61	184	171.13	246	194.20	308	216.82	370	238.99	432	260.72
-63	74.70	-1	99.60	61	124.03	123	148.00	185	171.51	247	194.57	309	217.18	371	239.35	433	261.06
-62	75.10	0	100.00	62	124.42	124	148.38	186	171.88	248	194.94	310	217.54	372	239.70	434	261.41
-61	75.51	1	100.40	63	124.81	125	148.76	187	172.26	249	195.31	311	217.90	373	240.05	435	261.75
-60	75.91	2	100.80	64	125.20	126	149.15	188	172.63	250	195.67	312	218.26	374	240.41	436	262.10
-59	76.32	3	101.19	65	125.59	127	149.53	189	173.01	251	196.04	313	218.63	375	240.76	437	262.45
-58	76.72	4	101.59	66	125.98	128	149.91	190	173.38	252	196.41	314	218.99	376	241.11	438	262.79
-57	77.13	5	101.99	67	126.37	129	150.29	191	173.76	253	196.78	315	219.35	377	241.47	439	263.14
-56	77.53	6	102.38	68	126.76	130	150.67	192	174.13	254	197.14	316	219.71	378	241.82	440	263.49
-55	77.94	7	102.78	69	127.15	131	151.06	193	174.51	255	197.51	317	220.07	379	242.17	441	263.83

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°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms	°C	Ohms
-54	78.34	8	103.18	70	127.54	132	151.44	194	174.88	256	197.88	318	220.43	380	242.53	442	264.18
-53	78.75	9	103.57	71	127.93	133	151.82	195	175.26	257	198.25	319	220.79	381	242.88	443	264.52
-52	79.15	10	103.97	72	128.32	134	152.20	196	175.63	258	198.61	320	221.15	382	243.23	444	264.87
-51	79.56	11	104.37	73	128.71	135	152.58	197	176.01	259	198.98	321	221.51	383	243.58	445	265.21
-50	79.96	12	104.76	74	129.09	136	152.96	198	176.38	260	199.35	322	221.87	384	243.94	446	265.56
-49	80.36	13	105.16	75	129.48	137	153.35	199	176.75	261	199.71	323	222.23	385	244.29	447	265.90
-48	80.77	14	105.56	76	129.87	138	153.73	200	177.13	262	200.08	324	222.59	386	244.64	448	266.25
-47	81.17	15	105.95	77	130.26	139	154.11	201	177.50	263	200.45	325	222.94	387	244.99	449	266.59
-46	81.58	16	106.35	78	130.65	140	154.49	202	177.88	264	200.81	326	223.30	388	245.35	450	266.94
-45	81.98	17	106.74	79	131.04	141	154.87	203	178.25	265	201.18	327	223.66	389	245.70	451	267.28
-44	82.38	18	107.14	80	131.42	142	155.25	204	178.62	266	201.55	328	224.02	390	246.05	452	267.63
-43	82.79	19	107.53	81	131.81	143	155.63	205	179.00	267	201.91	329	224.38	391	246.40	453	267.97
-42	83.19	20	107.93	82	132.20	144	156.01	206	179.37	268	202.28	330	224.74	392	246.75	454	268.31
-41	83.59	21	108.32	83	132.59	145	156.39	207	179.74	269	202.64	331	225.10	393	247.10	455	268.66
-40	83.99	22	108.72	84	132.98	146	156.77	208	180.12	270	203.01	332	225.46	394	247.46	456	269.00
-39	84.40	23	109.11	85	133.36	147	157.15	209	180.49	271	203.38	333	225.81	395	247.81	457	269.35