



Automation Components Inc.

### 100 OHM PLATINUM RTD RESISTANCE CHART

T (°F)	R Ohms	T (°F)	R Ohms	T (°F)	R Ohms	T (°F)	R Ohms	T (°F)	R Ohms
-58	80.307	-9	91.068	40	101.736	89	112.317	138	122.813
-57	80.528	-8	91.286	41	101.953	90	112.532	139	123.026
-56	80.748	-7	91.505	42	102.169	91	112.747	140	123.239
-55	80.969	-6	91.723	43	102.386	92	112.962	141	123.452
-54	81.189	-5	91.942	44	102.603	93	113.177	142	123.666
-53	81.410	-4	92.160	45	102.819	94	113.392	143	123.879
-52	81.630	-3	92.379	46	103.036	95	113.607	144	124.092
-51	81.850	-2	92.597	47	103.253	96	113.822	145	124.305
-50	82.071	-1	92.816	48	103.469	97	114.037	146	124.518
-49	82.291	0	93.034	49	103.686	98	114.251	147	124.731
-48	82.511	1	93.252	50	103.902	99	114.466	148	124.944
-47	82.731	2	93.470	51	104.119	100	114.681	149	125.157
-46	82.951	3	93.689	52	104.335	101	114.895	150	125.370
-45	83.171	4	93.907	53	104.551	102	115.110	151	125.583
-44	83.392	5	94.125	54	104.768	103	115.325	152	125.795
-43	83.612	6	94.343	55	104.984	104	115.539	153	126.008
-42	83.832	7	94.561	56	105.200	105	115.754	154	126.221
-41	84.051	8	94.779	57	105.417	106	115.968	155	126.434
-40	84.271	9	94.997	58	105.633	107	116.183	156	126.646
-39	84.491	10	95.215	59	105.849	108	116.397	157	126.859
-38	84.711	11	95.433	60	106.065	109	116.611	158	127.072
-37	84.931	12	95.651	61	106.281	110	116.826	159	127.284
-36	85.150	13	95.868	62	106.497	111	117.040	160	127.497
-35	85.370	14	96.086	63	106.713	112	117.254	161	127.709
-34	85.590	15	96.304	64	106.929	113	117.469	162	127.922
-33	85.809	16	96.522	65	107.145	114	117.683	163	128.134
-32	86.029	17	96.739	66	107.361	115	117.897	164	128.347
-31	86.248	18	96.957	67	107.577	116	118.111	165	128.559
-30	86.468	19	97.175	68	107.793	117	118.325	166	128.771
-29	86.687	20	97.392	69	108.009	118	118.539	167	128.984
-28	86.907	21	97.610	70	108.224	119	118.753	168	129.196
-27	87.126	22	97.827	71	108.440	120	118.967	169	129.408
-26	87.345	23	98.045	72	108.656	121	119.181	170	129.620
-25	87.565	24	98.262	73	108.871	122	119.395	171	129.832
-24	87.784	25	98.479	74	109.087	123	119.609	172	130.045
-23	88.003	26	98.697	75	109.303	124	119.823	173	130.257
-22	88.222	27	98.914	76	109.518	125	120.036	174	130.469
-21	88.441	28	99.131	77	109.734	126	120.250	175	130.681
-20	88.660	29	99.349	78	109.949	127	120.464	176	130.893
-19	88.880	30	99.566	79	110.165	128	120.678	177	131.105
-18	89.099	31	99.783	80	110.380	129	120.891	178	131.317
-17	89.317	32	100.000	81	110.595	130	121.105	179	131.528
-16	89.536	33	100.217	82	110.811	131	121.318	180	131.740
-15	89.755	34	100.434	83	111.026	132	121.532	181	131.952
-14	89.974	35	100.651	84	111.241	133	121.746	182	132.164
-13	90.193	36	100.868	85	111.457	134	121.959	183	132.375
-12	90.412	37	101.085	86	111.672	135	122.172	184	132.587
-11	90.630	38	101.302	87	111.887	136	122.386	185	132.799
-10	90.849	39	101.519	88	112.102	137	122.599	186	133.010

2305 Pleasant View Rd. Middleton Industrial Park Middleton, WI 53562

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# ACI

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T (°F)	R Ohms	T (°F)	R Ohms	T (°F)	R Ohms	T (°F)	R Ohms	T (°F)	R Ohms
188	133.434	237	143.755	286	153.991	335	164.141	384	174.204
189	133.645	238	143.965	287	154.199	336	164.347	385	174.409
190	133.857	239	144.175	288	154.407	337	164.553	386	174.613
191	134.068	240	144.384	289	154.615	338	164.759	387	174.818
192	134.279	241	144.594	290	154.823	339	164.965	388	175.022
193	134.491	242	144.804	291	155.031	340	165.171	389	175.226
194	134.702	243	145.013	292	155.238	341	165.378	390	175.431
195	134.913	244	145.223	293	155.446	342	165.584	391	175.635
196	135.125	245	145.432	294	155.654	343	165.790	392	175.839
197	135.336	246	145.642	295	155.862	344	165.996		
198	135.547	247	145.851	296	156.069	345	166.201		
199	135.758	248	146.061	297	156.277	346	166.407		
200	135.969	249	146.270	298	156.485	347	166.613		
201	136.180	250	146.479	299	156.692	348	166.819		
202	136.391	251	146.688	300	156.900	349	167.025		
203	136.602	252	146.898	301	157.107	350	167.230		
204	136.813	253	147.107	302	157.315	351	167.436		
205	137.024	254	147.316	303	157.522	352	167.642		
206	137.235	255	147.525	304	157.729	353	167.848		
207	137.446	256	147.734	305	157.937	354	168.053		
208	137.657	257	147.943	306	158.144	355	168.259		
209	137.868	258	148.152	307	158.351	356	168.464		
210	138.078	259	148.361	308	158.559	357	168.670		
211	138.289	260	148.570	309	158.766	358	168.875		
212	138.500	261	148.779	310	158.973	359	169.081		
213	138.710	262	148.988	311	159.180	360	169.286		
214	138.921	263	149.197	312	159.387	361	169.491		
215	139.132	264	149.406	313	159.594	362	169.697		
216	139.342	265	149.615	314	159.801	363	169.902		
217	139.553	266	149.823	315	160.008	364	170.107		
218	139.763	267	150.032	316	160.215	365	170.312		
219	139.974	268	150.241	317	160.422	366	170.517		
220	140.184	269	150.450	318	160.629	367	170.723		
221	140.394	270	150.658	319	160.836	368	170.928		
222	140.605	271	150.867	320	161.043	369	171.133		
223	140.815	272	151.075	321	161.249	370	171.338		
224	141.025	273	151.284	322	161.456	371	171.543		
225	141.235	274	151.492	323	161.663	372	171.748		
226	141.446	275	151.701	324	161.870	373	171.953		
227	141.656	276	151.909	325	162.076	374	172.158		
228	141.866	277	152.117	326	162.283	375	172.362		
229	142.076	278	152.326	327	162.489	376	172.567		
230	142.286	279	152.534	328	162.696	377	172.772		
231	142.496	280	152.742	329	162.902	378	172.977		
232	142.706	281	152.950	330	163.109	379	173.181		
233	142.916	282	153.159	331	163.315	380	173.386		
234	143.126	283	153.367	332	163.522	381	173.591		
235	143.336	284	153.575	333	163.728	382	173.795		

**Note: Move decimal point 1 place to the right when converting from 100 Ohm to 1000 Ohm Platinum RTD Resistance Curve.**

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