

Temperature Resistance Profiles

1.8KA1 TAC				2.2K3A1 Ambiflex 2040				3K3A1 Allerton	
Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms
-50	71074.8	35	1237.68	-50	150395	35	1471	-50	200348
-40	39025.8	40	1034.46	-40	75593	40	1199	-40	100701
-30	22287.6	45	868.86	-30	39789	45	983.4	-30	53005
-20	13192.2	50	733.32	-20	21839	50	810.9	-20	29092
-15	10276.2	55	621.72	-15	16416	55	672.2	-15	21868
-10	8067.6	60	529.38	-10	12453	60	560.1	-10	16589
-5	6382.8	65	452.7	-5	9529	65	468.9	-5	12694
0	5085	70	388.8	0	7353	70	394.5	0	9795
1	4863.6	75	335.16	1	6988	75	333.3	1	9309
2	4653	80	290.16	2	6643	80	282.9	2	8850
3	4451.4	85	252	3	6318	85	241.1	3	8416
4	4260.6	90	219.6	4	6010	90	206.3	4	8006
5	4078.8	95	192.06	5	5719	95	177.2	5	7619
6	3906	100	168.66	6	5444	100	152.8	6	7252
7	3742.2	105	148.5	7	5183	105	132.3	7	6905
8	3585.6	110	131.04	8	4937	110	114.9	8	6577
9	3436.2	115	116.1	9	4703	115	100.1	9	6266
10	3294	120	103.14	10	4482	120	87.51	10	5971
11	3159	125	91.8	11	4273	125	76.75	11	5692
12	3029.4	130	82.08	12	4075	130	67.52	12	5428
13	2907	140	65.88	13	3886	140	52.72	13	5177
14	2788.2	150	53.64	14	3708	150	41.61	14	4940
15	2676.6			15	3539			15	4714
16	2570.4			16	3378			16	4500
17	2467.8			17	3226			17	4297
18	2370.6			18	3081			18	4105
19	2277			19	2940			19	3916
20	2188.8			20	2814			20	3748
21	2104.2			21	2690			21	3583
22	2023.2			22	2572			22	3426
23	1909.8			23	2460			23	3277
24	1870.2			24	2353			24	3135
25	1800			25	2252			25	3000
26	1731.96			26	2156			26	2871
27	1667.16			27	2064			27	2749
28	1605.06			28	1977			28	2633
29	1545.66			29	1983			29	2522
30	1488.6			30	1814			30	2417

3K3A1 Allerton		5K3A1 Schlumberger (air)				10K3A1 Ambiflex 2012, Honeywell Aquatrol, Jel/Thorn, Trend, York			
Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms
35	1959	0	16325.4	37	3007.1	-50	667828	35	6530
40	1598	1	15515.2	38	2886.9	-40	335671	40	5325
45	1310	2	14570	39	2772.1	-30	176683	45	4367
50	1080	3	14027.1	40	2662.4	-20	96974	50	3601
55	895.5	4	13343.8	41	2557.8	-15	72895	55	2985
60	746.2	5	12697.8	42	2457.7	-10	55298	60	2487
65	624.7	6	12086.3	43	2362.1	-5	42314	65	2082
70	525.5	7	11508	44	2270.8	0	32650	70	1751
75	444	8	10960.8	45	2183.5	1	31030	75	1480
80	376.9	9	10442.6	46	2099.9	2	29500	80	1256
85	321.2	10	9951.8	47	2020	3	28054	85	1070
90	274.8	11	9486.8	48	1943.6	4	26688	90	916.1
95	236.1	12	9046.3	49	1870.5	5	25396	95	787
100	203.6	13	8628.7	50	1800.5	6	24173	100	678.6
105	176.2	14	8232.5	51	1733.5	7	23016	105	587.3
110	153	15	7857	52	1669.3	8	21921	110	510.1
115	133.3	16	7500.6	53	1607.8	9	20885	115	444.5
120	116.6	17	7162.3	54	1548.9	10	19904	120	388.6
125	102.2	18	6841.3	55	1492.5	11	18974	125	340.8
130	89.95	19	6536.4	56	1438.4	12	18092	130	300
140	70.23	20	6246.8	57	1383.6	13	17257	140	234.1
150	55.44	20	6246.8	58	1336.9	14	16465	150	184.8
		21	5971.6	59	1289.3	15	15714		
		22	5710	60	1243.53	16	15001		
		23	5461.3	61	119.7	17	14325		
		24	5225	62	1157.6	18	13623		
		25	5000	63	1117.2	19	13053		
		26	4786	64	10778.4	20	12494		
		27	4582.4	65	1041.2	21	11943		
		28	4388.5	66	1005.4	22	11420		
		29	4203.9	67	971	23	10923		
		30	4028	68	938	24	10450		
		31	3860.5	69	706.3	25	10000		
		32	3700.8	70	875.81	26	9572		
		33	3540.6			27	9165		
		34	3403.5			28	8777		
		35	3265.1			29	8408		
		36	3133.1			30	8056		

Temperature Resistance Profiles

10K4A1 Andover, Automatrix, York, Sibe				20K6A Honeywell Exell			
Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms
-50	441667	35	6754	-50	1667600	35	12696
-40	239831	40	5594	-40	813440	40	10209
-30	135233	45	4656	-30	415480	45	8258
-20	78930	50	3893	-20	220680	50	6718
-15	61030	55	3271	-15	163614	55	5495
-10	47549	60	2760	-10	122374	60	4518
-5	37316	65	2339	-5	92310	65	3733
0	29490	70	1990	0	70204	70	3100
1	28157	75	1700	1	66528	75	2586
2	26891	80	1458	2	63064	80	2167
3	25689	85	1255	3	59798	85	1824
4	24547	90	1084	4	56720	90	1541
5	23462	95	939.6	5	53816	95	1307
6	22430	100	817.2	6	51078	100	1113
7	21450	105	713	7	48492	105	952
8	20517	110	624.1	8	46052	110	816
9	19631	115	547.9	9	43746	115	705
10	18787	120	482.5	10	41570	120	609
11	17983	125	426	11	39512	125	528
12	17219	130	377.2	12	37568	130	459
13	16490	140	298.1	13	35730	140	351
14	15797	150	238	14	33990	150	271
15	15136			15	32346		
16	14507			16	30790		
17	13906			17	29316		
18	13334			18	27922		
19	12788			19	26600		
20	12268			20	25348		
21	11771			21	24162		
22	11297			22	23038		
23	10845			23	21970		
24	10413			24	20960		
25	10000			25	20000		
26	9606			26	19089		
27	9229			27	18225		
28	8869			28	17404		
29	8525			29	16625		
30	8197			30	15884		

30K6A1 Drayton DC 1000				100K6A1 Schlumberger (immersion)			
Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms
-50	2497K	35	19046	-50	8337K	35	63489
-40	1219K	40	15317	-40	4067K	40	51058
-30	622911	45	12390	-30	2077K	45	41301
-20	331879	50	10079	-20	1106K	50	33598
-15	245785	55	8243	-15	819378	55	27479
-10	183697	60	6777	-10	612366	60	22593
-5	138502	65	5600	-5	461683	65	18669
0	105305	70	4650	0	351017	70	15502
1	99787	75	3879	1	332619	75	13932
2	94588	80	3251	2	315288	80	10837
3	89689	85	2737	3	298959	85	9121
4	85069	90	2313	4	283558	90	7710
5	60713	95	1963	5	269041	95	6543
6	76604	100	1672	6	255337	100	5574
7	72726	105	1430	7	242414	105	4767
8	69064	110	1228	8	230210	110	4092
9	65608	115	1058	9	218688	115	3525
10	62347	120	914.6	10	207807	120	3047
11	59257	125	793.2	11	197521	125	2642
12	56346	130	690.2	12	187803	130	2299
13	53585	140	527.4	13	178613	140	1756
14	50978	150	407.7	14	169924	150	1357
15	48511			15	161702		
16	46178			16	153923		
17	43969			17	146560		
18	41877			18	139588		
19	39895			19	132984		
20	38019			20	126729		
21	36240			21	120799		
22	34554			22	115179		
23	32955			23	109850		
24	31438			24	104796		
25	30000			25	100000		
26	28635			26	95449		
27	27339			27	91128		
28	26108			28	87026		
29	24939			29	83129		
30	23828			30	79428		

Temperature Resistance Profiles

PT100			
Temp (°C)	Ohms	Temp (°C)	Ohms
-50	80.3	60	123.2
-40	84.3	65	125.16
-30	88.2	70	127.1
-20	92.2	75	128.98
-15		80	130.9
-10	96.1	85	132.8
-5		90	134.7
0	100.0	95	136.6
1	100.4	100	138.5
2	100.8	105	140.4
3	101.17	110	142.3
4	101.56	115	144.17
5	101.95	120	146.1
6	102.34	125	147.94
7	102.73	130	149.8
8	103.12	140	153.6
9	103.51	150	157.3
10	103.9	160	161.0
11	104.29	170	164.8
12	104.68	180	168.5
13	105.07	190	172.2
14	105.46	200	175.8
15	105.85	210	179.5
16	106.24	220	183.2
17	106.63	230	186.8
18	107.02	240	190.5
19	107.4	250	194.1
20	107.8	260	197.7
21	108.18	270	201.3
22	108.57	280	204.9
23	108.96	290	208.5
24	109.35	300	212.0
25	109.8	310	215.6
26	110.12	320	219.1
27	110.51	330	222.7
28	110.9	340	226.2
29	111.28	350	229.7
30	111.7	360	233.2
35	113.61	370	236.7
40	115.5	380	240.1
45	117.47	390	243.6
50	119.4	400	247.0
55	121.32		

PT1000			
Temp (°C)	Ohms	Temp (°C)	Ohms
-50	803	60	1232
-40	843	65	1251.6
-30	882	70	1271
-20	921	75	1289.8
-15		80	1309
-10	961	85	1328
-5		90	1347
0	1000	95	1366
1	1004	100	1385
2	1008	105	1404
3	1011.7	110	1423
4	1015.6	115	1441.7
5	1019.5	120	1461
6	1023.4	125	1479.4
7	1027.3	130	1498
8	1031.2	140	1536
9	1035.1	150	1573
10	1039	160	1611
11	1042.9	170	1648
12	1046.8	180	1685
13	1050.7	190	1722
14	1054.6	200	1758
15	1058.5	210	1795
16	1062.4	220	1832
17	1066.3	230	1868
18	1070.2	240	1905
19	1074	250	1941
20	1078	260	1977
21	1081.8	270	2013
22	1085.7	280	2049
23	1089.6	290	2085
24	1093.5	300	2121
25	1098	310	2156
26	1101.2	320	2191
27	1105.1	330	2227
28	1109	340	2262
29	1112.8	350	2297
30	1117	360	2332
35	1136	370	2367
40	1155	380	2401
45	1174.7	390	2436
50	1194	400	2470
55	1213.2		

Temperature Resistance Profiles

Ni1000 Landis & Gyr				Satchwell T Range			
Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms
-50	790.8	35	1161.5	-50	9852	35	3986
-40	826.6	40	1185.7	-40	9711	40	3517
-30	871.7	45	1210.2	-30	9465	45	3089
-20	913.4	50	1235	-20	9066	50	2702
-15	934.7	55	1260.1	-15	8795	55	2358
-10	956.2	60	1285.4	-10	8471	60	2055
-5	978	65	1311.1	-5	8092	65	1791
0	1000	70	1337.1	0	7660	70	1562
1	1004.4	75	1363.5	1	7569	75	1363
2	1008.9	80	1390.1	2	7475	80	1193
3	1013.3	85	1417.1	3	7379	85	1047
4	1017.8	90	1444.4	4	7281	90	922.3
5	1022.3	95	1472	5	7182	95	814.7
6	1026.7	100	1500	6	7082	100	722.7
7	1031.2	105	1528.3	7	6980	105	642.8
8	1035.8	110	1557	8	6877	110	574.9
9	1040.3	115	1586	9	6772	115	515.9
10	1044.8	120	1625.4	10	6666	120	466.2
11	1049.3	125		11	6560	125	422.4
12	1053.9	130		12	6453	130	384.6
13	1058.4	140		13	6345	140	323.2
14	1063	150		14	6236	150	277.1
15	1067.6			15	6125		
16	1072.2			16	6016		
17	1076.8			17	5906		
18	1081.4			18	5795		
19	1086			19	5681		
20	1090.7			20	5573		
21	1095.3			21	5369		
22	1100			22	5353		
23	1104.6			23	5243		
24	1109.3			24	5134		
25	1114			25	5024		
26	1120			26	4917		
27	1123.4			27	4809		
28	1128.1			28	4703		
29	1132.9			29	4597		
30	1137.6			30	4492		

Satchwell DD/DR				Satchwell (DW1204, DW1305, DWS1202)				Satchwell DO	
Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms	Temp (°C)	Ohms
-50		35	1336	-50		35	2346	-40	2288
-40		40	1219	-40		40	2216	-35	2215
-30		45	1113	-30		45	2086	-30	2135
-20		50	1013	-20		50	1950	-25	2042
-15		55	924	-15		55	1818	-20	1940
-10	2230	60	842	-10		60	1694	-15	1837
-5	2167	65	771	-5		65	1578	-10	1720
0	2094	70	707	0		70	1461	-5	1607
1		75		1		75	1353	0	1498
2		80		2		80	1258	5	1395
3		85		3		85	1171	10	1296
4		90		4		90	1089	15	1210
5	2010	95		5		95	1020	20	1128
6		100		6		100	950	25	1060
7		105		7		105	892	30	995
8		110		8		110	838	35	940
9		115		9		115	791	40	895
10	1911	120		10	2906	120	749		
11		125		11		125			
12		130		12		130			
13		140		13		140			
14		150		14		150			
15				15	2806				
16				16					
17				17					
18				18					
19				19					
20	1690			20	2708				
21				21					
22				22					
23				23					
24				24					
25	1571			25	2592				
26				26					
27				27					
28				28					
29				29					
30	1452			30	2474				