

Thermistor Types and Compatibility Chart

Element Code	Element Type	Manufacturer	Room	Outside	Duct	Immersion	Flying Lead
A	10K3A1	Aquatrol	✓	✓	✓	✓	✓
		Honeywell	T8120B	T7416A, T7043E	✓	T7106A, T7043F	T7076D
		Johnson	✓	✓	TE-6361V TE-636GV-1	✓	✓
		Satchwell	✓	DOT10K2, DOS10K2	DDT10K1	DWT10K1, DST10K1	✓
		Seachange	SEN/PTR/ROM	SEN/PR/OAT	SEN/PR/DCT	SEN/PR/IMM	SEN/FL
		Trend	TB-TS	TB-TO	TB-TD	TB-TI	✓
		Cylon	✓	✓	✓	✓	✓
		Distech Controls	✓	✓	✓	✓	✓
		Heatmiser	✓	✓	✓	✓	✓
		Ambiflex				ITN0120 (Hot water)	
		Phoenix Contact	✓	✓	✓	✓	✓
		Tridium	✓	✓	✓	✓	✓
		Easy IO	✓	✓	✓	✓	✓
B	10K4A1	Andover	TTS-S Series	✓	TT-O Series	TT-I Series	✓
		Siebe	✓	✓	✓	✓	✓
		York <40°C	✓	✓	✓	✓	✓
		Delta Controls	✓	✓	✓	✓	✓
		Phoenix Contact	✓	✓	✓	✓	✓
		Tridium	✓	✓	✓	✓	✓
C	20K6A1	Honeywell	T7460H, T7470A AF20, DRF20-S RF20	AF20 DAF20 T7416A1022	LF20	VF20T, VF20NT VF20L, VF20LN WPF20, T7425A	KFT20, KFT20B DKF20
D	PT100A	Sauter	EGT430/F011	✓	EGT466/F011 EGT447/F011	✓	EGT456/F011
		Serck	✓	✓	✓	✓	✓
		Siemens/Landis & Staefa	QAA100, QAA2010	QAC2010	FK-TP/200, QAM2110	QAE2110	QAP2010
		Phoenix Contact	✓	✓	✓	✓	✓
E	PT1000A	Honeywell	T7412A1018	T7416A1014	T7411A1001	T7413A1009	
		Sauter	EGT430/F101	EGT401/F101	EGT446/F101 EGT446/F101		EGT456/F101
		Serck	✓	✓	✓	✓	✓
		Siebe	TS-5811	✓	✓	✓	✓
		Cylon	✓	✓	✓	✓	✓
		Phoenix Contact	✓	✓	✓	✓	✓
F	Ni1000A	Sauter	EGT330/F101	EGT301/F101	EGT346/F101 EGT347/F101 EGT348/F101	EGT346/F101 EGT347/F101 EGT348/F101	EGT354/F101 EGT356/F101
G	Ni1000A/TCR (LAN1)	Siemens	QAA24/25/26/27 QAA64	QAC22	QAM2120	QAE2120	QAP21, QAP22 QAZ21
H	SAT1	Satchwell	DRT, DU, DUS, DUSF	DOT0002, DOS0002	DDT0001	DWT0001, DST0001	DDU
		Drayton DC1400	✓	✓	✓	✓	✓
K	STA1	Landis & Staefa	QAA2040 FR-T1	FW-T1	QAM2140 FK-T1	QAE2140	✓
L	TAC1	TAC	✓	✓	✓	✓	✓
M	2.2K3A1	Ambiflex	RTN3060	ETN3060	DTN3060	ITN3060 (Chilled water)	✓
		Johnson	TE-6344P	TE-6343P	TE-6IP, TE-6IV TE-634GV-1	TE-6IHP	✓
N	3K3A1	Alerton	MS-S Series, TS-1050	✓	✓	✓	✓
P	30K6A1	Drayton DC1100	A701	A702	✓	A703	✓
Q	50K6A1						
R	100K6A1	York >40°C	✓	✓	✓	✓	✓
S	SAT2	Satchwell	DR	✓	DD	DW1202, DWS1301	✓
T	SAT3	Satchwell	✓	✓	✓	DW1204, DWS1202	✓
V	SAT4	Satchwell	✓	DO2202	✓	✓	✓
W	SIE1	Barber Colman	✓	✓	✓	✓	✓
		Siebe	✓	✓	✓	✓	✓
Y	STA2	Landis & Staefa	FR-T30	FO-T30	FK-T30	FT-T305	✓
Z	10K	Carel	✓	✓	✓	✓	✓

Thermistor Temperature Range

A - 10K3A1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	667828
-40	335671
-30	176683
-20	96974
-15	72895
-10	55298
-5	42314
0	32650
1	31030
2	29500
3	28054
4	26688
5	25396
6	24173
7	23016
8	21921
9	20885
10	19904
11	18974
12	18092
13	17257
14	16465
15	15714
16	15001
17	14325
18	13623
19	13053
20	12494
21	11943
22	11420
23	10923
24	10450
25	10000
26	9572
27	9165
28	8777
29	8408
30	8056
35	6530
40	5325
45	4367
50	3601
55	2985
60	2487
65	2082
70	1751
75	1480
80	1256
85	1070
90	916.1
95	787.0
100	678.6
105	587.3
110	510.1
115	444.5
120	388.6
125	340.8
130	300.0
140	234.1
150	184.8
160	-
170	-
180	-
190	-
200	-

B - 10K4A1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	441667
-40	239831
-30	135233
-20	78930
-15	61030
-10	47549
-5	37316
0	29490
1	28157
2	26891
3	25689
4	24547
5	23462
6	22430
7	21450
8	20517
9	19631
10	18787
11	17983
12	17219
13	16490
14	15797
15	15136
16	14507
17	13906
18	13334
19	12788
20	12268
21	11771
22	11297
23	10845
24	10413
25	10000
26	9606
27	9229
28	8869
29	8525
30	8197
35	6754
40	5594
45	4656
50	3893
55	3271
60	2760
65	2339
70	1990
75	1700
80	1458
85	1255
90	1084
95	939.6
100	817.2
105	713.0
110	624.1
115	547.9
120	482.5
125	426.0
130	377.2
140	298.1
150	238.0
160	-
170	-
180	-
190	-
200	-

C - 20K6A1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
0	70204
1	66525
2	63059
3	59793
4	56713
5	53809
6	51070
7	48484
8	46044
9	43739
10	41563
11	39506
12	37562
13	35724
14	33986
15	32342
16	30786
17	29313
18	27918
19	26598
20	25346
21	24160
22	23036
23	21970
24	20959
25	20000
26	19090
27	18226
28	17405
29	16626
30	15886
31	15182
32	14513
33	13877
34	13273
35	12697
36	12150
37	11629
38	11133
39	10661
40	10211
41	9783
42	9374
43	8985
44	8614
45	8260
46	7922
47	7600
48	7293
49	6999
50	6719
51	6452
52	6196
53	5952
54	5719
55	5496
56	5282
57	5078
58	4883
59	4697
60	4518
61	-
62	-
63	-
64	-

D - PT100A

Sensor type:
Platinum, temp
coef. positive

°C	Ω
-50	80.3
-40	84.3
-30	88.2
-20	92.2
-15	
-10	96.1
-5	
0	100.0
5	
10	103.9
15	
20	107.8
25	109.8
30	111.7
35	
40	115.5
45	
50	119.4
55	
60	123.2
65	
70	127.1
75	
80	130.9
85	
90	134.7
95	
100	138.5
105	
110	142.3
115	
120	146.1
125	
130	149.8
140	153.6
150	157.3
160	161.0
170	164.8
180	168.5
190	172.2
200	175.8
210	179.5
220	183.2
230	186.8
240	190.5
250	194.1
260	197.7
270	201.3
280	204.9
290	208.5
300	212.0
310	215.6
320	219.1
330	222.7
340	226.2
350	229.7
360	233.2
370	236.7
380	240.1
390	243.6
400	247.0
401	-
402	-
403	-

E - PT1000A

Sensor type:
Platinum, temp
coef. positive

°C	Ω
-50	803
-40	843
-30	882
-20	921
-15	
-10	961
-5	
0	1000
5	
10	1039
15	
20	1078
25	
30	1117
35	
40	1155
45	
50	1194
55	
60	1232
65	
70	1271
75	
80	1309
85	
90	1347
95	
100	1385
105	
110	1423
115	
120	1461
125	
130	1498
140	1536
150	1573
160	1611
170	1648
180	1685
190	1722
200	1758
210	1795
220	1832
230	1868
240	1905
250	1941
260	1977
270	2013
280	2049
290	2085
300	2121
310	2156
320	2191
330	2227
340	2262
350	2297
360	20R
370	2367
380	2401
390	2436
400	2470
401	-
402	-
403	-

F - NI1000A

Sensor type:
Nickel, temp
coef. positive

°C	Ω
-50	743
-40	791
-30	842
-20	893
-15	
-10	946
-5	
0	1000
5	
10	1056
15	
20	1112
25	
30	1171
35	
40	1230
45	
50	1291
55	
60	1353
65	
70	1417
75	
80	1483
85	
90	1549
95	
100	1618
105	
110	1688
115	
120	1760
125	
130	1833
140	1909
150	1987
160	2066
170	2148
180	2232
190	-
200	-
201	-
202	-
203	-
204	-
205	-

Thermistor Temperature Range

G - LAN 1

(Ni1000A/TCR)

Sensor type:
Nickel, temp coef.
positive

°C	Ω
-50	790.8
-40	826.8
-30	871.7
-20	913.4
-15	934.7
-10	956.2
-5	978.0
0	1000.0
1	1004.4
2	1008.9
3	1013.3
4	1017.8
5	1022.3
6	1026.7
7	1031.2
8	1035.8
9	1040.3
10	1044.8
11	1049.3
12	1053.9
13	1058.4
14	1063.0
15	1067.6
16	1072.2
17	1076.8
18	1081.4
19	1086.0
20	1090.7
21	1095.3
22	1100.0
23	1104.6
24	1109.3
25	1114.0
26	1120.0
27	1123.4
28	1128.1
29	1132.9
30	1137.6
35	1161.5
40	1185.7
45	1210.2
50	1235.0
55	1260.1
60	1285.4
65	1311.1
70	1337.1
75	1363.5
80	1390.1
85	1417.1
90	1444.4
95	1472.0
100	1500.0
105	1528.3
110	1557.0
115	1586.0
120	1625.4
125	-
130	-
135	-
140	-
150	-
170	-
180	-
190	-
200	-

H - SAT1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	9719
-40	9584
-30	9349
-20	8968
-15	8708
-10	8396
-5	8031
0	7614
1	7525
2	7434
3	7341
4	7246
5	7150
6	7053
7	6954
8	6853
9	6752
10	6649
11	6545
12	6440
13	6334
14	6228
15	6121
16	6013
17	5905
18	5786
19	5684
20	5580
21	5471
22	5362
23	5254
24	5147
25	5039
26	4933
27	4827
28	4721
29	4617
30	4513
35	4012
40	3545
45	3117
50	2730
55	2386
60	2082
65	1816
70	1585
75	1385
80	1213
85	1064
90	937
95	828
100	734
105	654
110	585
115	525
120	474
125	429
130	391
140	329
150	281
160	-
170	-
180	-
190	-
200	-

K - STA1

Sensor type:
Thermistor, temp
coef. positive

°C	Ω
0	2226
1	2236
2	2246
3	2256
4	2266
5	2276
6	2286
7	2298
8	2306
9	2316
10	2326
11	2337
12	2347
13	2357
14	2367
15	2377
16	2388
17	2398
18	2408
19	2418
20	2429
21	2439
22	2449
23	2460
24	2470
25	2480
26	2491
27	2501
28	2512
29	2522
30	2532
31	2543
32	2553
33	2564
34	2574
35	2585
36	2596
37	2606
38	2617
39	2627
40	2638
41	-

L - TAC1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
0	5085
5	4078
10	3294
15	2676
20	2188
25	1800
30	1488
35	1237
40	1034
50	740
60	540
70	400
80	300
90	230
100	180
110	-

M - 2.2K3A1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	150395
-40	75593
-30	39789
-20	21839
-15	16416
-10	12453
-5	9529
0	7353
1	6988
2	6643
3	6318
4	6010
5	5719
6	5444
7	5183
8	4937
9	4703
10	4482
11	4273
12	4075
13	3886
14	3708
15	3539
16	3378
17	3226
18	3081
19	2940
20	2814
21	2690
22	2572
23	2460
24	2353
25	2252
26	2156
27	2064
28	1977
29	1893
30	1814
35	1471
40	1199
45	983.4
50	810.9
55	672.2
60	560.1
65	468.9
70	394.5
75	333.3
80	282.9
85	241.1
90	206.3
95	177.2
100	152.8
105	132.3
110	114.9
115	100.1
120	87.51
125	76.75
130	67.52
140	52.72
150	41.61
160	-
170	-
180	-
190	-
200	-

N - 3K3A1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	200348
-40	100701
-30	53005
-20	29092
-15	21868
-10	16589
-5	12694
0	9795
1	9309
2	8850
3	8416
4	8006
5	7619
6	7252
7	6905
8	6577
9	6266
10	5971
11	5692
12	5428
13	5177
14	4940
15	4714
16	4500
17	4297
18	4105
19	3916
20	3748
21	3583
22	3426
23	3277
24	3135
25	3000
26	2871
27	2749
28	2633
29	2522
30	2417
35	1959
40	1598
45	1310
50	1080
55	895.5
60	746.2
65	624.7
70	525.5
75	444.0
80	376.9
85	321.2
90	274.8
95	236.1
100	203.6
105	176.2
110	153.0
115	133.3
120	116.6
125	102.2
130	89.95
140	70.23
150	55.44
160	-
170	-
180	-
190	-
200	-

P - 30K6A1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	2497K
-40	1219K
-30	622911
-20	331876
-15	245785
-10	183697
-5	138502
0	105305
1	99787
2	94588
3	89689
4	85069
5	80713
6	76604
7	72726
8	69064
9	65608
10	62347
11	59257
12	56346
13	53585
14	50978
15	48511
16	46178
17	43969
18	41877
19	39895
20	38019
21	36240
22	34554
23	32955
24	31438
25	30000
26	28635
27	27339
28	26108
29	24939
30	23828
35	19046
40	15317
45	12390
50	10079
55	8243
60	6777
65	5600
70	4650
75	3879
80	3251
85	2737
90	2313
95	1963
100	1672
105	1430
110	1228
115	1058
120	914.6
125	793.2
130	690.2
140	527.4
150	407.7
160	-
170	-
180	-
190	-
200	-

Thermistor Temperature Range

Q - 50K6A1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	4168K
-40	2033K
-30	1038K
-20	553243
-15	409689
-10	306183
-5	230842
0	175508
1	166310
2	157644
3	149480
4	141779
5	134521
6	127669
7	121207
8	115105
9	109344
10	103903
11	98761
12	93901
13	89307
14	84962
15	80851
16	76961
17	73280
18	69794
19	66492
20	63364
21	60400
22	57589
23	54925
24	52398
25	50000
26	47724
27	45564
28	43513
29	41565
30	39714
35	31744
40	25529
45	20650
50	16799
55	13740
60	11297
65	9334
70	7751
75	6466
80	5419
85	4560
90	3855
95	3271
100	2787
105	2384
110	2046
115	1762
120	1523
125	1321
130	1149
140	878.2
150	678.8
160	-
170	-
180	-
190	-
200	-

R - 100K6A1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	8337K
-40	4067K
-30	2077K
-20	1106K
-15	819378
-10	612366
-5	461683
0	351017
1	332619
2	315288
3	298959
4	283558
5	269041
6	255337
7	242414
8	230210
9	218688
10	207807
11	197521
12	187803
13	178613
14	169924
15	161702
16	153923
17	146560
18	139588
19	132984
20	126729
21	120799
22	115179
23	109850
24	104796
25	100000
26	95449
27	91128
28	87026
29	83129
30	79428
35	63489
40	51058
45	41301
50	33598
55	27479
60	22593
65	18669
70	15502
75	12932
80	10837
85	9121
90	7710
95	6543
100	5574
105	4767
110	4092
115	3525
120	3047
125	2642
130	2299
140	1756
150	1357
160	-
170	-
180	-
190	-
200	-

S - SAT2

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	-
-40	-
-30	-
-20	-
-15	-
-10	-
-5	-
0	2094
1	2079
2	2061
3	2046
4	2027
5	2010
6	1992
7	1973
8	1951
9	1934
10	1911
11	1897
12	1872
13	1851
14	1810
15	1809
16	1787
17	1764
18	1740
19	1716
20	1690
21	1667
22	1644
23	1621
24	1598
25	1574
26	1549
27	1524
28	1500
29	1476
30	1452
35	1336
40	1219
45	1113
50	1011
55	-
60	-
65	-
70	-
75	-
80	-
85	-
90	-
95	-
100	-
105	-
110	-
115	-
120	-
125	-
130	-
140	-
150	-
160	-
170	-
180	-
190	-
200	-

T - SAT3

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
20	2708
21	2681
22	2659
23	2618
24	2616
25	2592
26	2567
27	2544
28	2520
29	2496
30	2474
31	2447
32	2423
33	2398
34	2372
35	2346
36	2322
37	2296
38	2269
39	2243
40	2216
45	2086
50	1950
55	1818
60	1694
65	1758
70	1461
75	1353
80	1258
85	1171
90	1089
95	1020
100	950

V - SAT4

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-10	1733
-5	1617
0	1504
5	1397
10	1298
15	1208
20	1128

W - SEI1

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-50	10732
-40	10517
-30	10172
-20	9654
-15	9320
-10	8933
-5	8496
0	8044
1	7910
2	7807
3	7702
4	7596
5	7489
6	7381
7	7271
8	7161
9	7050
10	6938
11	6825
12	6712
13	6598
14	6485
15	6370
16	6256
17	6141
18	6028
19	5913
20	5798
21	5686
22	5573
23	5461
24	5349
25	5238
26	5128
27	5019
28	4910
29	4803
30	4696
35	4185
40	3707
45	3271
50	2875
55	2521
60	2206
65	1929
70	1685
75	1472
80	1287
85	1127
90	986
95	866
100	760
105	670
110	590
115	522
120	462
125	410
130	365
140	290
150	233
160	-
170	-
180	-
190	-
200	-

Y - STA2

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
0	7490
5	6340
10	5360
15	4540
20	3840
25	3250
30	2750
35	2320

Z - 10K NTC

Sensor type:
Thermistor, temp
coef. negative

°C	Ω
-10	42218
-5	33784
0	27197
5	22023
10	17933
15	14684
20	12087
25	10000
30	8315
35	6947
40	5831
45	4916
50	4163
55	3540
60	3023
65	2591
70	2230
75	1926
80	1669
85	1451
90	1266
95	1109
100	973