

El Sensor Technologies

Resistance Versus Temperature Table

RTD Element for P/N ERP10075-101-X-XX-XXX Revision "0"

Resistance @ 0°C = 100 Ω

Temperature (°C)	Temperature (°F)	Resistance (Ω Nominal)
-40	-40.0	84.27
-39	-38.2	84.67
-38	-36.4	85.06
-37	-34.6	85.46
-36	-32.8	85.85
-35	-31.0	86.25
-34	-29.2	86.64
-33	-27.4	87.04
-32	-25.6	87.43
-31	-23.8	87.83
-30	-22.0	88.22
-29	-20.2	88.62
-28	-18.4	89.01
-27	-16.6	89.40
-26	-14.8	89.80
-25	-13.0	90.19
-24	-11.2	90.59
-23	-9.4	90.98
-22	-7.6	91.37
-21	-5.8	91.77

-20	-4.0	92.16
-19	-2.2	92.55
-18	-0.4	92.95
-17	1.4	93.34
-16	3.2	93.73
-15	5.0	94.12
-14	6.8	94.52
-13	8.6	94.91
-12	10.4	95.30
-11	12.2	95.69
-10	14.0	96.09
-9	15.8	96.48
-8	17.6	96.87
-7	19.4	97.26
-6	21.2	97.65
-5	23.0	98.04
-4	24.8	98.44
-3	26.6	98.83
-2	28.4	99.22
-1	30.2	99.61
0	32.0	100.00
1	33.8	100.39
2	35.6	100.78
3	37.4	101.17
4	39.2	101.56
5	41.0	101.95
6	42.8	102.34
7	44.6	102.73
8	46.4	103.12
9	48.2	103.51
10	50.0	103.90
11	51.8	104.29
12	53.6	104.68
13	55.4	105.07
14	57.2	105.46
15	59.0	105.85
16	60.8	106.24
17	62.6	106.63
18	64.4	107.02
19	66.2	107.40

20	68.0	107.79
21	69.8	108.18
22	71.6	108.57
23	73.4	108.96
24	75.2	109.35
25	77.0	109.73
26	78.8	110.12
27	80.6	110.51
28	82.4	110.90
29	84.2	111.29
30	86.0	111.67
31	87.8	112.06
32	89.6	112.45
33	91.4	112.83
34	93.2	113.22
35	95.0	113.61
36	96.8	114.00
37	98.6	114.38
38	100.4	114.77
39	102.2	115.15
40	104.0	115.54
41	105.8	115.93
42	107.6	116.31
43	109.4	116.70
44	111.2	117.08
45	113.0	117.47
46	114.8	117.86
47	116.6	118.24
48	118.4	118.63
49	120.2	119.01
50	122.0	119.40
51	123.8	119.78
52	125.6	120.17
53	127.4	120.55
54	129.2	120.94
55	131.0	121.32
56	132.8	121.71
57	134.6	122.09
58	136.4	122.47
59	138.2	122.86

60	140.0	123.24
61	141.8	123.63
62	143.6	124.01
63	145.4	124.39
64	147.2	124.78
65	149.0	125.16
66	150.8	125.54
67	152.6	125.93
68	154.4	126.31
69	156.2	126.69
70	158.0	127.08
71	159.8	127.46
72	161.6	127.84
73	163.4	128.22
74	165.2	128.61
75	167.0	128.99
76	168.8	129.37
77	170.6	129.75
78	172.4	130.13
79	174.2	130.52
80	176.0	130.90
81	177.8	131.28
82	179.6	131.66
83	181.4	132.04
84	183.2	132.42
85	185.0	132.80
86	186.8	133.18
87	188.6	133.57
88	190.4	133.95
89	192.2	134.33
90	194.0	134.71
91	195.8	135.09
92	197.6	135.47
93	199.4	135.85
94	201.2	136.23
95	203.0	136.61
96	204.8	136.99
97	206.6	137.37
98	208.4	137.75
99	210.2	138.13

100	212.0	138.51
101	213.8	138.88
102	215.6	139.26
103	217.4	139.64
104	219.2	140.02
105	221.0	140.40
106	222.8	140.78
107	224.6	141.16
108	226.4	141.54
109	228.2	141.91
110	230.0	142.29
111	231.8	142.67
112	233.6	143.05
113	235.4	143.43
114	237.2	143.80
115	239.0	144.18
116	240.8	144.56
117	242.6	144.94
118	244.4	145.31
119	246.2	145.69
120	248.0	146.07
121	249.8	146.44
122	251.6	146.82
123	253.4	147.20
124	255.2	147.57
125	257.0	147.95
126	258.8	148.33
127	260.6	148.70
128	262.4	149.08
129	264.2	149.46
130	266.0	149.83
131	267.8	150.21
132	269.6	150.58
133	271.4	150.96
134	273.2	151.33
135	275.0	151.71
136	276.8	152.08
137	278.6	152.46
138	280.4	152.83
139	282.2	153.21

140	284.0	153.58
141	285.8	153.96
142	287.6	154.33
143	289.4	154.71
144	291.2	155.08
145	293.0	155.46
146	294.8	155.83
147	296.6	156.20
148	298.4	156.58
149	300.2	156.95
150	302.0	157.33