

Technical Information: RTD and Thermistor Resistance vs. Temperature Tables

Values For CONVECTRONICS' Standard RTD and Thermistor Elements

TEMPERATURE		RTD'S		THERMISTORS	
DEGREES		100 OHM RTD .00385 T/C	100 OHM RTD .00391 T/C	5,000 OHM CURVE 1 THERMISTOR	10,000 OHM CURVE 2 THERMISTOR
C	(F)	OHMS	OHMS	OHMS	OHMS
-20	(-4)	92.16	92.04	48,536	78,910
-15	(+5)	94.12	94.03	36,476	61,020
-10	(14)	96.09	96.02	27,663	47,540
-5	(23)	98.04	98.01	21,163	37,310
0	(32)	100.0	100.00	16,325	29,490
5	(41)	101.95	101.98	12,696	23,460
10	(50)	103.90	103.96	9,949	18,790
15	(59)	105.85	105.94	7,855	15,130
20	(68)	107.79	107.92	6,246	12,260
25	(77)	109.73	109.89	5,000	10,000
30	(86)	111.67	111.86	4,028	8,194
35	(95)	113.61	113.82	3,265	6,752
40	(104)	115.54	115.78	2,663	5,592
45	(113)	117.47	117.74	2,184	4,655
50	(122)	119.40	119.70	1,801	3,893
55	(131)	121.32	121.65	1,493	3,270
60	(140)	123.24	123.60	1,244	2,760
65	(149)	125.16	125.55	1,041	2,339
70	(158)	127.07	127.50	875.8	1,990
75	(167)	128.98	129.44	739.6	1,700
80	(176)	130.89	131.38	627.6	1,458
85	(185)	132.80	133.32	534.8	1,255
90	(194)	134.70	135.25	457.7	1,084
95	(203)	136.60	137.18	393.3	939.3
100	(212)	138.50	139.11	334.3	816.8
105	(221)	140.40	141.03	293.6	712.6
110	(230)	142.29	142.95	255.3	623.5
115	(239)	144.18	144.87	222.6	547.3
120	(248)	146.06	146.79	194.8	481.8
125	(257)	147.94	148.70	170.9	425.3
130	(266)	149.82	150.61	150.5	376.4
135	(275)	151.72	152.52	132.9	334.0
140	(284)	153.58	154.42	117.7	297.2
145	(292)	155.45	156.32	104.5	265.1
150	(302)	157.32	158.22	93.0	237.0

