



S800 Silicon Diode Standard Curve

Temp (K)	Volts	Temp (K)	Volts	Temp (K)	Volts
1 385.00	0.37611	49 75.00	1.02788	97 12.50	1.37359
2 375.00	0.39871	50 70.00	1.03702	98 12.00	1.39162
3 365.00	0.42021	51 65.00	1.04600	99 11.50	1.41042
4 355.00	0.44124	52 60.00	1.05470	100 11.00	1.42998
5 345.00	0.46221	53 58.00	1.05809	101 10.50	1.45028
6 335.00	0.48336	54 56.00	1.06139	102 10.00	1.47130
7 325.00	0.50478	55 54.00	1.06462	103 9.50	1.49303
8 315.00	0.52650	56 52.00	1.06776	104 9.00	1.51542
9 310.00	0.53747	57 50.00	1.07079	105 8.50	1.53844
10 305.00	0.54849	58 48.00	1.07373	106 8.00	1.56202
11 300.00	0.55955	59 46.00	1.07656	107 7.50	1.58611
12 295.00	0.57066	60 44.00	1.07932	108 7.00	1.61064
13 290.00	0.58179	61 42.00	1.08204	109 6.50	1.63550
14 285.00	0.59293	62 40.00	1.08480	110 6.00	1.66061
15 280.00	0.60409	63 39.00	1.08623	111 5.50	1.68584
16 275.00	0.61523	64 38.00	1.08771	112 5.00	1.71106
17 270.00	0.62637	65 37.00	1.08928	113 4.80	1.72111
18 265.00	0.63749	66 36.00	1.09096	114 4.60	1.73112
19 260.00	0.64858	67 35.00	1.09279	115 4.40	1.74108
20 255.00	0.65964	68 34.00	1.09481	116 4.20	1.75099
21 250.00	0.67067	69 33.00	1.09708	117 4.00	1.76082
22 245.00	0.68166	70 32.00	1.09964	118 3.90	1.76570
23 240.00	0.69261	71 31.00	1.10257	119 3.80	1.77056
24 235.00	0.70352	72 30.00	1.10594	120 3.70	1.77540
25 230.00	0.71439	73 29.00	1.10984	121 3.60	1.78021
26 225.00	0.72522	74 28.00	1.11436	122 3.50	1.78499
27 220.00	0.73602	75 27.00	1.11962	123 3.40	1.78974
28 215.00	0.74678	76 26.00	1.12574	124 3.30	1.79446
29 210.00	0.75751	77 25.00	1.13284	125 3.20	1.79914
30 205.00	0.76820	78 24.00	1.14108	126 3.10	1.80379
31 200.00	0.77887	79 23.00	1.15061	127 3.00	1.80840
32 195.00	0.78951	80 22.00	1.16160	128 2.90	1.81297
33 190.00	0.80011	81 21.00	1.17422	129 2.80	1.81750
34 185.00	0.81069	82 20.00	1.18867	130 2.70	1.82198
35 180.00	0.82124	83 19.50	1.19663	131 2.60	1.82642
36 170.00	0.84222	84 19.00	1.20512	132 2.50	1.83081
37 160.00	0.86305	85 18.50	1.21416	133 2.40	1.83514
38 150.00	0.88365	86 18.00	1.22378	134 2.30	1.83943
39 140.00	0.90396	87 17.50	1.23399	135 2.20	1.84365
40 130.00	0.92391	88 17.00	1.24483	136 2.10	1.84782
41 120.00	0.94340	89 16.50	1.25631	137 2.00	1.85193
42 110.00	0.96270	90 16.00	1.26846	138 1.90	1.85597
43 100.00	0.98170	91 15.50	1.28129	139 1.80	1.85995
44 95.00	0.99100	92 15.00	1.29483	140 1.70	1.86386
45 90.00	1.00030	93 14.50	1.30908	141 1.60	1.86770
46 85.00	1.00950	94 14.00	1.32408	142 1.50	1.87146
47 80.00	1.01868	95 13.50	1.33982	143 1.40	1.87515
48 77.35	1.02356	96 13.00	1.35632		

Cryogenic Control Systems, Inc.
PO Box 7012
Rancho Santa Fe, CA 92067

T: 858-756-3900 F: 858-759-3515
E: sales@cryocon.com
W: www.cryocon.com